

Manufacturers Record

Exponent of America



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A Southern State Leading the Nation in Legislative Conservatism.

In this day when communistic, socialistic and bolshevistic legislative activities in Congress and in State Legislatures, aimed at Constitutional Government and at all business interests, are so prevalent, it is refreshing to find that one Southern state in legislative sanity is setting an example for the entire country. And that state is the much maligned Florida, against whose prosperity, based largely on sane legislation, the rampant forces of radicalism throughout the country are constantly fighting.

In an illuminating address made before the American Hardware Manufacturers Association of the United States, and the Southern Hardware Jobbers Association, meeting in joint session in Atlanta, Peter O. Knight—the general counsel of the latter association and one of the foremost lawyers and general business men of the South—referring to the progress of Florida, said, “no more amazing tale of astounding growth of any portion of the world has ever as yet been told—nor can it be told.”

“Florida,” says Mr. Knight, “has a monopoly,” and a monopoly in a thing which comparatively few people have taken into account.

It is not a monopoly of climate, of agricultural, or commercial, or industrial interests which Mr. Knight has in mind. The monopoly he describes is a monopoly which could wisely be adopted throughout the entire country. Florida’s monopoly, as he presents the matter, is the conservatism of Florida’s citizens and the wisdom of its legislation. Under this wise conservatism, active and aggressive for business development but conservative for legislation, there are some things of which Florida can boast. It has:

- No franchise tax
- No severance tax
- No corporation tax
- No corporation stock transfer tax
- No tax on intangibles
- No income tax
- No inheritance tax

And it has about \$6,000,000,000 of property of all kinds assessed for taxation at \$620,000,000 a year.

“Florida,” says Mr. Knight, “has more paved highways and more public improvements per capita than any other state in the Union.”

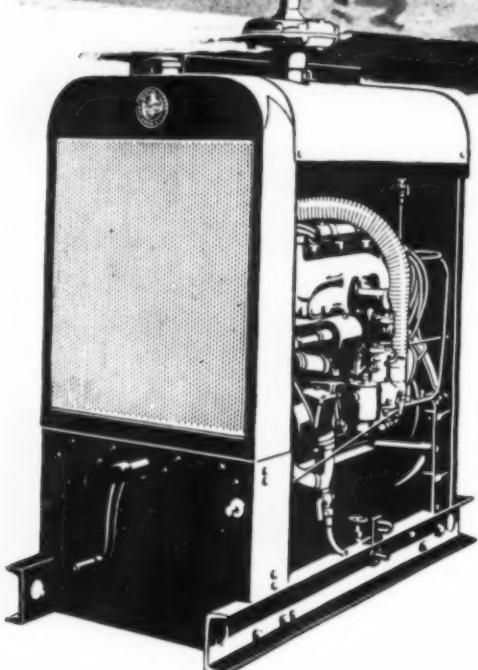
“Florida,” he adds, “does not owe a dollar. It has no state bonded indebtedness of any kind or character, and has \$12,000,000 actual cash in the state treasury.”

These are some of the things of which Florida has a right to boast, and the states which are constantly struggling to find new ways to tax their citizens, and often to tax business so heavily as to drive it out of their boundaries, might well study what Florida is doing.

Florida last year collected nearly \$8,000,000 from its automobile tax at an expense of only \$6,000. Its automobile and motor license tax will this year amount to \$12,000,000 to \$13,000,000 or more. Including what the counties and the Federal Government will spend on highways in addition to about \$13,000,000 to be spent by the state out of the automobile and license tax, \$25,000,000 at least will probably be expended this year by Florida in expanding its highway facilities.

It is due to Florida’s conservative legislative “monopoly,” as Mr. Knight puts it—for no other state in the Union is doing as much in that respect—that Florida is setting an example worthy to be studied by the people of every other state. Mr. Knight’s illuminating article should be carefully studied by every reader of the Manufacturers Record.

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MAY 6, 1926

Manufacturers Record

EXONENT OF AMERICA

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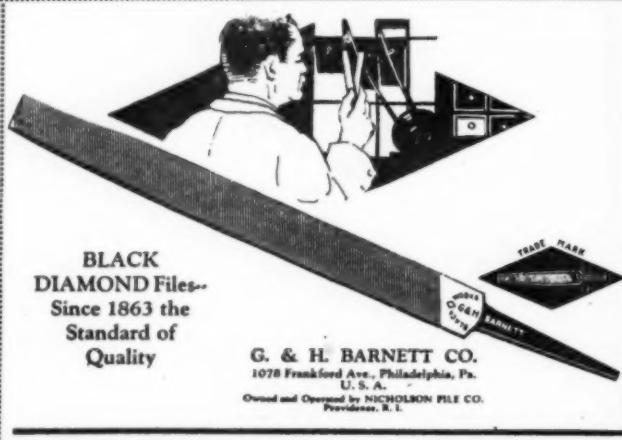
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The Muscle Shoals Proposition of Southern Power Companies.

THE proposition of the 13 associated Southern power companies to Congress for the leasing of Muscle Shoals, and recommended by a majority of the Committee, is in substance, as summarized for the MANUFACTURERS RECORD by Thomas W. Martin, president of the Alabama Power Company, as follows:

"Specifically, the proposed lease would be made to the Muscle Shoals Fertilizer Co. and the Muscle Shoals Power Distributing Co., which 13 public-service power companies operating in eight Southern states—Arkansas, Mississippi, Louisiana, Florida, Georgia, Tennessee, Alabama and Kentucky—have organized under the laws of Florida.

"The Muscle Shoals Power Distributing Co. owns the stock of the Muscle Shoals Fertilizer Co., which it will retain unless otherwise authorized by Congress. The fertilizer company will lease the two nitrate plants and the Waco quarry, and will be provided by the power company with \$20,000,000 as needed for the construction and operating of fertilizer plants. It will have preferred use of the entire output of the power plants, if needed, and will make 40,000 tons of nitrogen for use in concentrated commercial fertilizers, mixed or unmixed, with or without filler, such as ammonium phosphate and other nitrogenous fertilizers.

"Within six years the fertilizer company will provide plant capacity for 20,000 tons of nitrogen and necessary phosphoric acid plants. The first unit for 10,000 tons of nitrogen and phosphoric acid plants necessary for making ammonium phosphate will be put in operation within three years. Fertilizer is to be sold at cost of production plus 8 per cent profit. Power will be supplied for fertilizer production at cost.

"A farmer's board will be named by the Secretary of Agriculture to supervise the manufacture and distribution of fertilizer, fix the price, verify and audit the books of the company and direct territorial distribution. On the board will be representatives of farmers' organizations, who must be actual farmers, and two other members of the board will be a representative of the Department of Agriculture and a nominee of the fertilizer company.

"Additional units of 10,000 tons capacity will be built for fertilizer production up to 40,000 tons of nitrogen in response to market demands as authorized by the farmer board and the Secretary of Agriculture when for two successive years the demand has taken the output of the plants constructed. A modified Haber process for synthetic ammonia will be used such as has been in successful commercial operation in the United States for the past several years.

"The power company anticipates that the development and extension of power plants, the construction of transmission lines and new equipment will require an investment of

approximately \$40,000,000. Power will be sold to power-distributing companies throughout several states to aid in meeting the power needs of the various sections.

"The total rental payments at Dam No. 2 for 50 years will approximate \$137,000,000, beginning with \$60,000 for the first year and gradually increasing to \$2,000,000. An amount not to exceed \$1,200,000 a year will be paid for additional power at Dam No. 2 (included in the above amount) as the result of storage and other headwater improvements. If Dam No. 3 is built by the Government, rental payments for a lease period ending with dam No. 2 will approximate \$75,000,000, which includes \$24,000,000 estimated for headwater improvements.

"The Government is not required to expend further sums at Muscle Shoals, except for Dam No. 3, which is not contingent upon acceptance of the offer.

"The Government has the right at any time to take over all or a portion of the fertilizer plants or the power plants for purposes of war, during which time the obligations of each company and rentals will be proportionately suspended."

In response to a telegram addressed to Mr. Martin for particulars in regard to the amended proposition embodied in the foregoing, Mr. Martin wires:

"The amended offer for Muscle Shoals provides that company shall within six years from date of lease have ready for operation synthetic ammonia plants with capacity to produce 20,000 tons fixed nitrogen annually, and if these units are operated to full capacity for two successive years the company will in response to market demands construct an additional unit of 10,000 tons. And when the plants of 30,000 tons capacity have operated for two successive years the company will construct a fourth unit of 10,000 tons, making in total plants capable of fixing annually 40,000 tons of nitrogen. There are provisions in proposal for extending nitrogen capacity beyond 40,000 tons but company does not assume definite obligation in this respect. We fully agree with your statement concerning importance of nitrogen to welfare of the country in peace as in war, and we feel that proposal fully meets this view within the limits of the capacity of the plants as stated above."

In seeking further information in regard to the matter, the MANUFACTURERS RECORD wired Mr. Martin as follows:

"Studying your telegram, I am wondering why it will take so long to develop plants for production of nitrate as indicated. Can you cover this point in some detail? There is tremendous need in the country for nitrate for agricultural purposes. We are now dependent upon Chile, paying out vast sums annually which ought to be kept at home by pro-

duction of nitrates from the atmosphere. In event of war, and we shall probably never be free from that danger, Chilean nitrates might be cut off at any moment and we would then be practically helpless. Are you and your associates not making a mistake in not offering earlier and larger production of nitrates?"

To this telegram Mr. Martin promptly wired as follows:

"Replying your telegram regarding production schedule, you will bear in mind that it will be necessary to erect new plants, using basic Haber process, as Government experts as well as our engineers agree that nitrate plant No. 2 using cyanamid process cannot compete with Chilean nitrates. While Haber process plants are in operation on small scale in several places here, large scale production has not yet been attempted for fertilizer use and the large amount of capital required in erection of plants makes highly important that caution be observed in the early stages. For this reason we were only willing to undertake program in steps and are confident this will be best solution of problem. Please also bear in mind that nitrate plant No. 2 remains in standby condition and is available for emergencies, and every unit added in Haber process plant is in effect adding to nation's preparedness. Therefore, within few years there should be at Muscle Shoals 80,000 tons annual capacity for production of nitrogen."

Bearing on an inquiry as to the use of the term fertilizer instead of nitrate in one or two places in the statement issued by the Alabama Power Company, an officer of the company wires the MANUFACTURERS RECORD as follows:

"The expression 'ten thousand tons capacity' means capacity for making fixed nitrogen, which amount of nitrogen the company agrees to combine with other fertilizer ingredients to make a complete concentrated fertilizer with a high plant food content. If combined with the ordinary filler of old time fertilizer formula which contained 2 per cent nitrogen to the ton of material, this amount would make 500,000 tons. The contract requires that all fertilizer produced must contain nitrogen, the proportion being indicated by the market requirements."

The MANUFACTURERS RECORD is a firm believer in the importance of nitrate production and has constantly emphasized this point. Nitrate is essential to our agricultural prosperity and to our safety in time of war, and the world has not yet, we fear, reached a point where wars will be forever banished. Our very ability to produce nitrates in abundance, and thus be entirely free from any dependence upon Chilean nitrates, would in itself be a safeguard to protect us from danger of war. If other countries, which might some day feel aggrieved and think to engage in war upon the United States, knew that we had an abundant supply of nitrates without dependence upon Chile, their desire to attack us would be greatly minimized.

We are exhausting our soil fertility and the large production of nitrates is essential. We have, therefore, believed that the Muscle Shoals situation should to a large extent be made the basis of nitrate production, but that at the same time the surplus power should be distributed over a large area for the general good of the whole South. For this reason we have believed that the effort of Mr. Ford to capture Muscle Shoals for the purpose of utilizing its entire power at that point would be of a monopolistic character, contrary to the good judgment of the American people and inimical to the larger welfare of the whole South. The developments of industries scattered over as large an area of the South as possible is many times more important for the general prosperity of this section, and that means for the contrary, than would be the concentration of a few great industries immediately in the Muscle Shoals district. We can readily appreciate the fact that the people in that region, thinking of the welfare of their own community, are anxious to have the entire power of Muscle Shoals utilized for building up one great industrial center, but Muscle Shoals is not simply a local asset. It is a national asset.

The power that can be created there by the full development of the potentialities of the Tennessee River comes from the waters that pour down the mountains of Carolina and

Tennessee and is, therefore, an asset which should be available for wide distribution to the enrichment of the whole Central South, from Carolina to Mississippi. The men directing the destiny of the thirteen power companies which are combined in the offer made to Congress are largely Southern men, men of the highest integrity, men who have at heart the welfare not only of the South but of the nation at large, and we can not believe that they are at all unmindful of the need of nitrates. We are glad that Mr. Martin expresses himself so strongly on that point.

This feature of the possibilities at Muscle Shoals should be given every consideration by the men who are making this offer. They must realize that their prosperity and the prosperity of their companies is intimately tied up with the national safety which can come only through large nitrate production and with the betterment of the agricultural conditions through an abundant supply of nitrates which are an essential ingredient in the fertilizer industry. The South needs to use fertilizer more intensely. The West has reached a time when increased fertilization of its soil will be essential to its prosperity. All of this means that the men upon whom the responsibility rests, if Congress should accept the offer of these power companies, must go the limit of nitrate fixation even if there should for a time be less net profit than in the distribution of power. Nitrate production should, therefore, be the first consideration and the distribution of power throughout the South rather than the concentration at the point of production should be secondary, important as it is from every standpoint.

Mr. Martin, the president, Muscle Shoals Power Distributing Company, in a statement to the MANUFACTURERS RECORD said:

"Naturally, we are gratified that a majority of the Joint Committee have recommended acceptance of the offer of the associated Southern power companies to lease Muscle Shoals. Aside from possibilities for fertilizer production in aid of agriculture, the Muscle Shoals power plants will greatly assist in supplying power for the future growth and expansion of Southern industry. In recent years power development in the South has so advanced that transmission lines are being projected into many rural districts supplying electricity to farmers not only for lights, but as motive power for a number of farm activities. Muscle Shoals power will further contribute to this end as well as an aid in providing plant food for the soil."

"By co-ordinating the Government power plants with others operated by associated companies in the South, almost immediately the large amount of secondary power at Muscle Shoals can be made primary power and thus double its power capacity, something that is impossible if operated as an independent project.

"We have endeavored to meet the wishes of the committee in a desire to work out a satisfactory plan along the lines of the resolution under which they were acting. The desire of the power companies is to co-operate with the Government in a solution of this question in a way that will serve the greatest public good and conserve the power for public benefit.

"If Congress should accept the proposal, the power companies will immediately proceed with preparations for prompt development. They feel there is no element of doubt in the ability to carry out the fertilizer obligations. Associated with the companies are able chemical engineers with broad experience who have constructed and successfully operated different nitrogen fixation plants in the United States built since the war."

Directors of the Muscle Shoals Fertilizer Company and Muscle Shoals Power Distributing Company held a meeting last Friday in Washington. Following the meeting Mr. Martin issued this statement:

"The board of directors took definite steps today to be ready for the use of the Muscle Shoals properties for production of fertilizer and distribution of surplus power, under the terms of the proposal, in event Congress takes favorable action upon the pending bill before adjournment.

"The construction program worked out by the experts of the fertilizer company for installing a modern synthetic process for nitrogen fixation and fertilizer production was carefully gone over and approved in order that the construc-

tion of the first unit with a capacity for 10,000 tons of fixed nitrogen and necessary phosphoric acid plants can be begun immediately following approval by Congress.

"The question of equitable distribution of power in the several states involving the construction of necessary transmission lines and facilities was discussed by the directors, several of whom are executive heads of the public-utility power companies which will participate in power distribution."

After the meeting Dr. Louis C. Jones, an authority on nitrogen and vice-president of the company, announced that the company is prepared to begin immediately the designing and construction of plants for the production of concentrated commercial fertilizers when and if Congress approves the recommendations of the joint committee. Dr. Jones explained that the Muscle Shoals Fertilizer Company has as a member of its technical staff Dr. R. F. Bacon, who was Chief of the Chemical Section of the American Expeditionary Forces in France on the staff of General Pershing, and who will keep closely in touch with the developments which take place in improving methods of fertilizer production. Dr. Jones has designed, constructed and put into operation several nitrogen plants in the United States and has made a study of existing processes in operation in this country and abroad. He said:

"We propose in the first fertilizer unit to be built at Muscle Shoals to use the well-known Haber process as modified for the fixation of nitrogen, and an equally well-known sulphuric acid process for making phosphoric acid, and will combine these products in a concentrated commercial fertilizer as ammonium phosphate which will contain approximately 15 per cent nitrogen and 60 per cent phosphoric acid, two principal plant foods required for soil fertilization.

"Nitrate Plant No. 1 at Muscle Shoals was constructed for the use of the Haber process during the war, but was not operated successfully due to lack of experience and knowledge, which has since been developed in this country. Several plants with which I have been directly connected in designing and operating in the United States are now producing to maximum capacity of fixed nitrogen. There is no problem to be worked out, as the plant designs and their operation have now become standardized. Two of the plants with which I have been connected are successfully operating with a nitrogen fixation capacity of more than 5000 tons of nitrogen each per year, and another is being constructed under our direction as a commercial plant of a capacity of 10,000 tons of fixed nitrogen. There are no royalties involved in the use of these processes except a nominal fee to the Chemical Foundation for the original Haber patents.

"The phosphoric acid process which we will use is also a well-known standard process and presents no technical problems or difficulties.

"The use of these processes in the production of fertilizer has been held back in this country because of a lack of capital. The Muscle Shoals Fertilizer Company is not handicapped in this respect, since it is provided immediately with ample capital through its connection with the Muscle Shoals Power Distributing Company, and will be prepared to go ahead with the construction and operation immediately that the lease is approved by Congress.

"Under the terms of the proposal the fertilizer company is required to have in operation the first unit within three years, but our intention and expectation is that we will be actually delivering fertilizer to farmers within a much shorter period, perhaps not more than half that time.

"Ammonium phosphate, which will be the product of the first unit, has not heretofore been available to farmers generally because of the high cost of production by older methods, but is very largely used in many of the foreign countries. It is unequalled as plant food, and under the terms of the company's lease the cost to the farmer of ammonium phosphate, produced at Muscle Shoals, will be greatly cheapened since improved processes are used, profits will be limited, and freight rates will be less on account of a concentrated product. It is confidently believed that the entire product at Muscle Shoals can be sold directly to consumers through farmers' purchasing organizations, and thereby an additional saving effected, provided they take advantage of the opportunity thus afforded.

"Ammonium phosphate is endorsed as a highly valuable fertilizer by experts of the Government and the experts of a number of state experimental farms.

"As I see it, the only thing remaining is the matter of

prompt action by Congress and the willingness on the part of the farmers to inform themselves as to the use and value of this highly concentrated fertilizer product. We feel, however, that the best results will come from actual use, and for that reason we are anxious to begin production and a campaign of education as promptly as possible. We have no doubt that ammonium phosphate will command an immediate market for the entire output of the first unit, and additional plants will be built without delay.

"There is no element of doubt in our minds of our ability to carry out without difficulty the obligations of the fertilizer proposal and do not hesitate to assure the farmers and the public that the project we propose to enter upon will result for the first time in a substantial reduction in the cost of plant food and improvements in the quality of fertilizer needed by the American farmer."

Directors of the Muscle Shoals Power Distributing Co. include: Harry Reid, Louisville, Ky.; H. C. Couch, Pine Bluff, Ark.; B. C. Edgar, Chattanooga, Tenn.; E. A. Yates, Birmingham, Ala.; B. E. Eaton, Gulfport, Miss.; E. H. Bradshaw, Jackson, Miss.; W. H. Fitzhugh, Memphis, Tenn.; Prentis M. Atkins, Monroe, La.; Francis B. Carter, Pensacola, Fla.; O. G. Thurlow, Birmingham, Ala.; L. O. Crosby, Picayune, Miss.; H. Generes Dufour, New Orleans, La.; Thomas C. Long, Jackson, Tenn.; P. S. Arkwright, Atlanta, Ga.; Thomas W. Martin, Birmingham, Ala., and T. K. Jackson, Mobile, Ala.

RELIGIOUS EDITORIALS IN SECULAR PAPERS.

COMMENT was recently made in the MANUFACTURERS RECORD upon an Easter sermon, brief but very pointed, printed in the Editor and Publisher, a paper for newspaper people. As good as that brief sermon was, the best Easter sermon we have ever seen published in a daily paper appeared in the Tampa Daily Times Easter morning. It was entitled "The Easter Message." It began with the statement, "Let not your heart be troubled," and went on through an entire column of Scriptural quotations, all carrying the divine message of the things which occurred in Easter week when Christ passed through the trials of that hour, ending with the resurrection morn, and then carrying these forward through to many statements pertaining to the risen Christ as they appear in Corinthians.

It is an interesting fact that the Tampa Times has for years pursued a policy of publishing every Saturday afternoon a religious editorial or sermon, and likewise an editorial urging its readers to attend church the following Sunday. We are quite sure that this policy of the Times receives a warm welcome from its readers, for our own experience proves that the serious-minded people of the country are glad to read in secular papers things which pertain to the all-supreme issue of life and death, life here and life hereafter, and the meaning of the teachings of Him who spake as never man spake.

More and more, we believe, American papers are inclined to discuss religious questions, which to our mind is an indication that, despite the froth and foam which comes to the top in transition periods like the present, there is a growing spirit in America of a deep conviction that the religion of the Cross of Christ is the one sure foundation for character building, and even for the maintenance of business itself. Blot out the churches of the land and overnight there would be chaos. Not a piece of property in the country would be worth fifty cents on the dollar of its present value, for the nation would inevitably go headlong down the road to social and business damnation.

It is appropriate, therefore, that the secular papers of the country—daily, weekly and even the business publications—should constantly call their readers to a realization of these facts of tremendous import.

Do You Know the South?

THE Asheville (N. C.) Citizen, referring to a recent editorial in the MANUFACTURERS RECORD in regard to the South as not fully knowing itself, said:

"That statement carries a jolt. It emphasizes the fact that it is every Southerner's business to acquaint himself with what is going on in the South. How many Southerners, for instance, know anything about the recent magic development of Arkansas? Or about the rise in land values in Georgia? Or the value of the building permits issued in Florida in the last two months? Or Tennessee's leading manufactures? Or Virginia's export trade?

"Cold, hard facts and figures are the things that carry the story home to the mind of the business man. Glittering generalities are fine rhetoric. They trip from the tongue with a musical and caressing effect. But capital pays no homage to figures of speech. Before it invests, it demands certain mathematical demonstrations. The way to attract capital to the South is to give it accurate information on the South."

The Citizen is correct in this statement. There is, indeed, lamentable ignorance among Southern people about the South as a whole. Comparatively few Southern men or women know what is going on outside of their immediate community in the development of this section. The Birmingham man largely thinks in terms of coal and iron and steel, and as a general thing knows comparatively little about what is being done in other sections in the development of resources and the extent of the resources on which to base development.

The Virginia man knows in a general way something about what Florida is doing, but he does not catch any inspiration from it for the development of his own state, because he is not thoroughly familiar with what is taking place in Florida, and dreams of it as a somewhat visionary growth based on real estate activities. He hardly realizes that his own superbly endowed state, with its great commerce through Hampton Roads, its great financial and manufacturing interests at Richmond and elsewhere, has not created bank resources equal to the bank resources of Florida, although Virginia's population is just about double that of Florida's.

The North Carolina man, filled with justifiable enthusiasm for the progress of his own state, knows comparatively little about what Texas, for instance, is doing and how Texas has run ahead of every other Southern state in the value of its manufactured products; nor does he realize that Mississippi is coming rapidly to the front in wise legislation and in actual material production; nor does he know the extent of the development that is going on in Tennessee or Arkansas, for instance.

Through this lack of thorough knowledge in regard to the whole South, Southern people do not catch the full inspiration of what is being done outside of their immediate vicinity. It ought, for instance, to be a tremendous stimulation to the people of the South generally to know how Florida has developed its enormous bank resources, how Texas has become one of the outstanding manufacturing states of the country, how Alabama steel is going heavily into the markets of the world, how North Carolina highways are commanding nationwide attention and are drawing industrial and business interests generally into that state.

A study of the whole South by business men of all classes, by educators and by students would enable the people to become more thoroughly informed as to their country, broaden their vision and stimulate wherever stimulation is needed for active competition and friendly rivalry with cities and states which are leading in upbuilding work. We are too prone to be self-satisfied by not knowing what other communities or other states are doing. If, for instance, every man and woman in Georgia fully appreciated the progress of Florida and North Carolina, based largely on their leadership in highway building years ago, it would have been

impossible for the Georgia Legislature recently to have turned down the bill for bonds for highway building.

There are a thousand and one other ways in which the progress of one state in wise legislation, in highway building, in industrial activity could be made of value if known to the people of all other Southern states. Take, for instance, the remarkable business gathering at Palm Beach, Fla., a few weeks ago when a thousand of the foremost men of that state—lawyers, merchants, manufacturers, city builders—gathered for a full, free and frank discussion of what Florida is doing and what must be done to make certain the continuation of its rapid growth. Is there another state in the South that can match such a convention? But if every business man of the South knew about that convention, there would be a stimulation in all other states to match the work of Florida in this particular.

The general ignorance of the South as to the actual facts about the whole South is one of the most lamentable things connected with Southern life at the present time. Men talk glibly about the progress of the South, and yet most of them could not answer specific questions about this section, what it is, what it has done and what it will do.

It is with a view to developing among Southern people a complete knowledge of their own section, as well as to give to people of other sections a full story about the South, that the Blue Book of Southern Progress is printed from year to year by the MANUFACTURERS RECORD. Into that Blue Book is condensed a vast amount of information about this section. Recently one of the foremost men of the South, in preparing an address before the Charleston convention of the National Foreign Trade Council, was hunting for information about this section. He found it in the Blue Book for 1925, and realized as he had probably never before done the importance of having a handbook of the South in his office to which he could turn for information on every subject about the South.

The Blue Book of Southern Progress, 1926 edition, which is now going through the press, will be far and away the most important edition we have ever published. It will contain a vast amount of general information about the South. Included in this information will be 48 pages written by practically every railroad president of the South, each telling of the progress of diversified farming along the line of his road. This symposium is in itself an inspiration to the South. If heralded broadly throughout the nation, it would be of immeasurable value, for here is shown the fact that not simply in one section but all over the South there is a growing farm diversification which means increased progress and prosperity for agriculture.

This, however, is only one of the unique features of the Blue Book for 1926. But that feature alone is worth many times the cost of the publication. Crowded into the Blue Book are facts and figures which will enable anyone who studies that publication to know more about the South than he ever knew before. There is a world of information compacted into the 372 pages of the Blue Book. It is a literal handbook of the South, a compendium the value of which cannot be overstated. It should be in every office and every home where intelligence reigns throughout the entire South. It should be in every library, in every school, public and private. It should be used as a textbook by teachers in order that students may know their own country, and Southern people should send it broadly throughout the entire nation that men and women elsewhere may gain a new realization of what the South is, what it has and what it is destined to be.

The subscription price of the Blue Book—50 cents a copy or 40 cents for orders of 500 up to 1000 and 30 cents each for 1000 or more—is below the actual cost of the work. The only

way in which its publication is made possible at such a price is the advertising which it carries of Southern business firms and communities. These advertisements are in themselves an invaluable guide to those who are seeking to know about Southern opportunities and Southern communities. In these advertisements will be found facts of interest about industrial enterprises, about growing cities and thriving states, all of which can be studied to advantage by Southern people, as well as by the people of the North and West who are looking to the South as a place of investment or for home making.

INCOME TAX REDUCTION ON CORPORATIONS URGED.

CELERITY in the reduction of taxation, rather than unnecessary speed in the reduction of the national debt, still may be advocated as an economic desideratum, despite the enactment of the Federal Tax law in the present session of the Congress. So feels the Louisville Board of Trade, and practical business men and financiers probably will find themselves in agreement with that organization.

Two features stand out prominently in the Louisville Board's suggestions: (1) That payment of the debt should be spread over a period of 50 years, instead of approximately 30 years (the MANUFACTURERS RECORD has constantly advocated this for several years); (2) that the business, or corporation, tax be reduced to 10 per cent.

On the basis of payment of \$400,000,000 to be applied to the principal each year, actuaries for the Board of Trade estimate that on an indebtedness of \$20,000,000,000 the interest for the five-year period from 1926 to 1930, inclusive, would be \$816,000,000, bringing the total amount to be raised for payment on principal and interest to \$1,216,000,000. Skipping intervening periods, the amount to be raised for payment on principal and interest in the half decade of 1951 to 1955, inclusive, would be: Interest for 1951, \$350,000,000; to apply to principal, 1951, \$400,000,000; total, \$750,000,000. From 1971 to 1975, inclusive: Interest for 1971, \$70,000,000; to apply on principal, \$400,000,000; total, \$470,000,000.

"The meaning of this is that, if the same amount is paid on the principal each year, it will take \$400,000,000 each year to pay off the debt in 50 years," the Board of Trade explains, and payment under this plan, if it had been adopted by Congress, would be completed in half a century.

The argument of the Board of Trade that "the prosperity and development of the country would be materially enhanced" by reduction of the business, or corporation, tax is sound. Suggestion is advanced that the views of the Board of Trade may not prove palatable to advocates of cancellation of the Allies' "debts" to the United States. As we see it, there is no entanglement whatever. In urging a reduction of the business, or corporation, tax, one may dismiss for the time being all consideration as to whether these American claims ever shall be settled. Our wealth is increasing at the rate of \$10,000,000,000 to \$12,000,000,000 a year, and with increasing wealth we can go on rapidly reducing our taxation, even if we do not receive a dollar of income from the Allies.

Even if our wealth were not increasing so enormously each year as to make the 50-year settlement easy, the fact remains that there is no particular reason why the national debt should be settled in half that time. Reduction of the tax rate does not necessarily involve reduction of the national income; on the contrary, receipts in some cases have proved that such tax decrease produces increase in income.

The suggestion of the Louisville Board of Trade is worthy of deep consideration in the period before Congress again takes up the question of national taxation.

ELECTRIFICATION ON THE FARMS.

IN the convention of the Southeastern Division of the National Electric Light Association, held at Pinehurst, N. C., recently, Robert L. Lindsey, vice-president of the Durham Public Service Company, in his annual address to the Association stressed the importance of carrying electricity to the farms. This is being done in many parts of the South, but it is one field to which all electric light and power companies must give prompt attention.

The farms must be made attractive. Farm homes must be made comfortable. The use of electricity for lighting and for power, and for the wide variety of purposes to which electric power can be put in the home, makes it essential to the progress of agriculture that, as far as may be possible, electricity shall be carried to the farms of the entire South. In the course of his address, Mr. Lindsey said:

"I cannot refrain from referring to a slow but sure development that is beginning to grip the thought of the entire nation—that of electrifying the farms of America. We probably do not realize yet the momentum which that movement has already gained or what actually has been accomplished right here in North Carolina. The matter of placing electric power in usable form in the hands of our agricultural industry is one of the greatest problems the power and light business has been called upon to solve.

"If agriculture is to keep pace with the other industries of America, it must be enabled to utilize electric power instead of man power, just as do the other industries."

Governor McLean of North Carolina, at the same meeting, in discussing the influence of electricity upon the development of his state, after quoting some figures regarding its progress, said:

"The marvel of these figures, the lesson of which has not been lost on the nation, so that progress and development are becoming cumulative as time goes on, is that the industry they reflect should be powerful to the extent of 75 per cent by the electric utilities that so lately as 20 years ago were, practically speaking, non-existent.

"Whether in the emphatically industrial Piedmont region, in the agricultural and resort sections of eastern North Carolina, in the wonderfully beautiful, recreational and industrially awakened mountain region, the story is the same; the transmission line spreading like a beneficent network, feeding and releasing with the gift of power the power and initiative of a busy people."

Governor McLean then stressed the change which has taken place in many of the smaller cities and towns which only a few years ago were known as "down at the heel," places which today are well lighted and bustling with activity. He strongly emphasized the opportunity for service on the part of electrical industry to the farms and farmers of North Carolina.

There are few problems before this country more important than the safeguarding of our agricultural situation, and there are few ways in which farm life can be made more attractive than by the utilization of electric light and electric power. With the extension of electric lights into the farm regions there will come to millions of women on the farms opportunity to lighten their burdens by improved electrical machinery doing many things in the house now done by the drudgery of manual labor. When the farmer can press a button and turn on electric light or electric power, the whole atmosphere of his life has been changed.

Through this extension of electricity there will come the development of small enterprises of many kinds on the farms and in the villages of the country, thus, to the great good of the country, lessening the concentration of industries in over-

congested centers and bringing about a wide development of small industries through the farm and village regions, while labor employed only a portion of the year on farms can find employment for the rest of the time in the production of many things made possible by electric power and which would be impossible in such places by steam power.

Every electric company of the country, therefore, in justice to its own interests and in justice to the welfare of the country, has resting upon it a responsibility not merely for immediate profits to the benefit of its stockholders, but also for the creation of a condition whereby farm life will be benefited through electricity and the welfare of the nation thus safeguarded.

A BAD DISH OF STALE CROW.

IF ever a man had to eat crow, surely Dr. Samuel Harden Church, president of the Carnegie Institute, had to make a full meal of it lately.

In his recent testimony before the Senate Judiciary Committee Dr. Church, whom the MANUFACTURERS RECORD has in times past had to call down rather severely, claimed that there had been increased drinking in the colleges and schools of the Pittsburgh district. He also made certain statements against the Lord's Day Alliance, and now has been forced by the students of the Carnegie Institute of Technology to make a very humble apology, completely withdrawing every assertion that he had made against the students. A meeting of the Student Council was held and the following statement was issued by that organization:

"The Student Council of the Carnegie Institute of Technology recognizes the sincerity of the statement made by Col. Samuel Harden Church at his appearance before that body this evening. However, the council feels that nothing said now can rectify the injustice done to the present and future students of this institution. It is our earnest hope that his refutation this evening will receive as widespread publicity as has been given his unfortunate remarks."

To the student body Dr. Church made his crow-eating apology, asking for the full and free forgiveness of the students in the following language:

"There is nothing at Carnegie Tech that can be called drunkenness. I go to your plays and games, and when you have on so many occasions asked Mrs. Church and me to attend your dances as patrons we have done so, and in all these intimate contacts I have never seen a drunken student.

"All the statements attributed to me which reflect upon our student body I withdraw. I express to you, one and all, my deep sorrow for having said anything in the haste and excitement of the occasion that would cause pain to you or that would give an unwarranted impression to others.

"With very deep sincerity, I ask that you will grant me your full and free forgiveness."

Dr. Church thus admits that he bore false witness and maligned the students. Fortunately, however, these students had the backbone and the nerve and the grit to compel him to make a humble apology and to eat his full dish of crow. His crow must have tasted something like the pheasant which an American once attempted to eat. Desiring to imitate the English in their love of "gamey" food, he asked an English friend how to prepare a pheasant to make it taste like those he had eaten in England. The Englishman told him to hang the pheasant up by the tail feathers until the bird dropped of its own weight and at that time it would have the rich and "gamey" flavor desired.

The American got his instructions a little wrong, and so he hung the pheasant up by the head and kept it in that position until the tail feathers dropped out. Then he undertook to eat it but it did not taste just like the pheasant he had eaten in England. Dr. Church's crow must have had exactly the same taste.

BUTTING IN AGAIN.

AGAIN appears the Bulletin of the Federal Council of the Churches of Christ in America—that delectable organization which falsely intimates that it represents a majority of the Church bodies and Church membership of the nation, and which, under this false impression, works for the principles of pacifism, of virtually unrestricted interracial fellowship and similar policies. On a foundation of facts which it set forth in some detail the MANUFACTURERS RECORD of May 7, 1925, said, in part:

"The Federal Council of the Churches of Christ in America is not qualified or authorized or empowered to represent or speak for 20,000,000 members of Protestant churches. The Baptist churches of the South, for instance, have absolutely refused to be connected with that organization.

"In arrogating to itself, or assuming to possess, such authority it is deliberately attempting to deceive the Congress, the press and the people."

Those assertions have not yet been questioned by any representative or member of the Federal Council of the Churches.

Especially will the people of the South be interested in the following excerpt from a paragraph on "Race Relations Sunday" in the Bulletin of the Federal Council of the Churches:

"A new feature of this year's program is the broadening of the meaning of the day to include relations among all the racial groupings in America and NOT SIMPLY BETWEEN NEGROES AND WHITES. One of the most valuable aspects of the day has come to be THE EXCHANGE OF PULPITS BETWEEN WHITE AND NEGRO PASTORS as a means of interpreting the two peoples to each other" (caps ours).

And, as though to stir up a spirit of discontent among the negroes of the land, the Commission on Race Relations of the Federal Council says in an introduction to its report:

"Negro Americans have even more difficulty than other residents in finding suitable places in which to live because of the PREJUDICE (caps ours) against them, which operates regardless of culture or financial ability. Under ordinary conditions other racial and national groups can usually secure housing accommodations in almost any residential area if they can pay for them and maintain the neighborhood standards in other respects."

There is more to the same effect, practically picturing the negro as a victim of harsh discrimination by oppressive white citizenry in general.

Incidentally, it is interesting to note that Rev. Wroth M. Tippy was called by Dr. J. B. Hutton, pastor of the First Presbyterian Church South of Jackson, Miss., to advise it on the building of "an expensive new church." Dr. Hutton may find interesting information in the MANUFACTURERS RECORD of May 7, 1925.

The chairman of the Commission on the Church and Church Relations is Bishop George C. Clement. We quote from "Who's Who" for 1925:

"Clement, George Clinton, bishop. * * * Ordained A. M. E. Zion ministry, 1893; manager A. M. E. Zion Publication House, 1914-16. * * * Trustee A. M. E. Zion Publication House, Livingstone College, Atkinson College, North Carolina Colored Reform School."

Another member of this commission is Dr. George E. Haynes. Again we quote from "Who's Who":

"Haynes, George Edmund, sociologist; * * * secretary colored men's department, International Com. Y. M. C. A., 1905-08; * * * leave of absence (from Fisk College), May 1, 1918, to serve as director of negro economics, United States Department of Labor. * * * Founder and formerly executive director National League for Social Service, Urban Conditions Among Negroes; special adviser on negro work, Interchurch World Movement of North America; * * * author 'The Negro at Work in New York City,' 'The Negro Newcomer in Detroit,' 'The Trend of the Races.'"

The other members of this commission are given as Marion Jackson, vice-chairman, and Rev. W. W. Alexander, a secretary. Rev. Will Winton Alexander is described in

"Who's Who" as having been interested in various sociological and educational activities.

The people of the South who understand the negro better than any other people, and who are heartily working for the advancement of that race, do not need any suggestions on that subject from Tippy or any other member of the so-called but misnamed "Federal Council of the Churches of Christ in America."

A SUGGESTION TO ADVERTISING AGENCIES.

SEVERAL prominent advertising agents from the North have recently been studying the situation in Florida and express themselves as greatly interested in what they have found in that state. Based on this, the MANUFACTURERS RECORD would suggest to all the advertising agencies in the United States that they send their representatives to Florida and to other parts of the South in order to study the situation and see how great is the demand for every line of product which these agencies cover in their advertising work.

The South is the coming great field for the purchase of almost everything that is advertised. It is an enormous buyer of automobiles, of motor trucks, of motor buses, of machinery of every kind, of building material, of cement and hardware and the things which enter into the construction and furnishing of office buildings, hotel structures, private dwellings and highways. It is a field which the business men of the North and West must necessarily cultivate more fully than they have ever done before, and the wise advertising agents who are looking after the best interests of their clients could make a study of Florida and other Southern states to the very great advantage of themselves and their clients. And in bringing into closer touch the South as a market, and the North and West as a supplier of things needed in such a market, these agencies would be rendering not only an individual but a national service, for the closer all sections are brought into business touch the better it will be for the country and for the broader development of business of every kind.

A 90-YEAR-OLD SUBSCRIBER.

C. S. JOHNSON of Beaufort, S. C., in renewing his subscription apologizes for making it for six months only instead of for a year by saying he would make it for a longer period, but he has just completed his ninetieth year. He adds:

"I am pulling through a severe case of illness and receiving the congratulations of friends upon having escaped for the eighth time the attentions of 'His Satanic Majesty.'"

Perhaps "His Satanic Majesty" may have been somewhat instrumental in bringing upon Mr. Johnson the illness to which he refers, but we rather doubt it, and we are quite sure that "His Satanic Majesty" has no control whatever over the present or the future of this long-time subscriber. Even death itself is not a victory of "His Satanic Majesty," but for the righteous it is a victory over the sufferings and sickness of this life, and is the portal through which one enters into eternal life beyond.

ANOTHER SOUTHERN VICTORY.

THE MANUFACTURERS RECORD recently commented upon the large number of Southern men who are presidents of leading national business organizations. This list has now been increased by the election of John Stewart Bryan, of the Richmond (Va.) News Leader, who on April 23 was elected president of the American Newspaper Publishers' Association. This is one more tribute to the power, energy, initiative and vitality of Southern men.

AMERICA WILL SOME DAY BLUSH WITH SHAME AT THE WAY IN WHICH IT HAS TREATED ITS WAR ALLIES.

EVERY true American who loves the honor of his country should be saddened in heart as he realizes how this country has out-Shylocked Shylock in its effort to get the last ounce of flesh out of France and other Allies. Until this situation is changed and this country voluntarily decides to cancel these alleged debts, millions of thinking people who love the honor of the nation more than they love its dollars will bemoan the political activity which has placed us in a position where we have not only soiled our own honor, but also planted seeds of hatred in the hearts of millions in Europe.

In one mail there come to the MANUFACTURERS RECORD two letters bearing directly on this subject, one from Georgia and the other from Massachusetts, one voicing the sentiment of many men and women of the South and one voicing the sentiments of many of New England and other parts of this land.

From Brunswick, Ga., comes a letter from Major F. K. Huger, one of the distinguished leaders of the Confederacy, still surviving, still vigorous and still doing good work. In the course of his letter he writes:

"I am in sympathy with your attitude on the great moral questions affecting the welfare and honor of our country. No nation has ever so dishonored itself since the beginning of time as has the Government of this country of ours in its attitude toward France, and no man has ever fought so valiantly for the right as you have done and are still doing."

Frederick W. Peabody of Ashburnham, Mass., a member of the bar of New York, Massachusetts and California, who recently had a strong letter in the New York Times in favor of canceling these debts, writing to the MANUFACTURERS RECORD on the subject says:

"I have been so inundated by sympathetic responses to my Times plea for cancellation of the so-called war debts that in my country home, with only my two hands to do the work, I am far behind due acknowledgment. Please forgive the delay and accept very sincere thanks for your kind and helpful letter. Have read your article with deep interest and, of course, with complete agreement. Indeed, our thought runs along lines so similar that if I had seen your article you might reasonably suspect me of plagiarism. I am going to keep on the big job of trying to force something like comprehension into the public mind, for I am more than ever sure America is sound at heart. It is for you and me and everybody else who can obtain a hearing to get as much publicity as possible for our view and trust 'to the just God that presides over the destiny of nations' to fight our battle for us."

We rejoice that throughout this country men and women everywhere are coming to the front in vigorous protest against the drastic way in which this country has dealt with the alleged debts of the Allies, overlooking the fact entirely that for 12 to 15 months the Allies were fighting our battle and all we could do was to send them money, in place of sending soldiers to die on the battlefield, and now we are putting our money above the lives of the hundreds of thousands of soldiers who were saved because we were not ready to send them abroad.

"THE futility"—it is Representative George Holden Tinkham of Massachusetts speaking—"the futility of dependence by the world upon the League of Nations and its agencies for action separate from political considerations and the intrigues of selfish national ambitions has been fully disclosed." To which one may add that this is only one of many phases of such futility.

Repudiated Debts of Southern States.

A PICTURE OF A SOUTH CAROLINA LEGISLATURE, TYPICAL OF THE LEGISLATURES OF NEARLY ALL SOUTHERN STATES DURING RECONSTRUCTION DAYS WHEN THESE BODIES WERE DOMINATED BY NEGROES AND BY CARPET-BAGGERS.

DISPATCHES from London state that holders of repudiated bonds of the Southern states are again becoming active in their effort to devise some way to bring about the payment of these bonds. Some of the dispatches say that the bonds were issued prior to the Civil War; some say that they were issued after the Civil War. In both of these respects the dispatches are true.

Long prior to the Civil War two Southern states issued bonds for various improvements, one of them having issued bonds for the establishment of a bank. As the enterprises for which these bonds were sold failed, these two states unwise repudiated the bonds. Mississippi was one of the states, and its repudiation, which was in later years upheld by Jefferson Davis, had a disastrous effect upon the Confederacy.

During the Civil War the Confederacy was seeking a large gold loan in London. It was thought that the arrangement with English bankers had been about completed, and if the money had been provided as was then expected it would have furnished to the South some hundreds of millions of dollars of gold which doubtless would have materially affected the final result of the war. Just before the final closing of the deal, however, the American Minister issued a number of circular-letters, afterward put into pamphlet form, and distributed them among English investors warning them against lending any money to the Confederacy, taking the ground that as Mr. Davis had defended the repudiation of bonds by Mississippi there would be no safety for the investors in securities issued by the Government over which President Davis presided. The publication and the circulation of these letters resulted in the bankers withdrawing from the plan upon which they had about agreed and the deal fell through. The history of this event in connection with the repudiation by Mississippi of its bonds is one of the romances of the Civil War.

During his lifetime, while president of the Illinois Central Railroad, Stuyvesant Fish often discussed with the editor of this paper the importance of having Mississippi make some arrangement to redeem these repudiated bonds. He stated that his road, though the largest taxpayer in Mississippi, would be more than glad to bear its share of the burden of taxation in order to redeem the credit of that state, believing, as he did, that the credit of Mississippi restored in this way would redound to the honor and prosperity of the state. Mr. Fish lost the presidency of the Illinois Central to E. H. Harriman before he could actively take up and push this question upon the attention of Mississippi people.

The bonds issued after the Civil War by some of the Southern states, and afterwards repudiated, are entirely different. Under the Reconstruction Act, Union soldiers were maintained throughout the South, and practically held this section under military subjection until they were withdrawn by President Hayes after his election in 1876, under an agreement made by which, if the Democrats yielded their claim that Tilden had been elected, avoiding the danger of another Civil War, and permitted Hayes to be inaugurated, he would withdraw the troops from the South and permit the white people of this section to regain control of their governments.

During the reign of crime which swept over the South, Northern "carpet-baggers" controlled the negro vote and rode into office on the back of the lately enfranchised negroes. White men who could not swear that they had not in any way

whatever given aid or encouragement to the Confederacy were not allowed to vote for a long time, and the Union Army was stationed at the polls to see that they did not vote. On the other hand, the negroes were voted en masse, electing members of their own race and the carpet-baggers into office. Today these carpet-baggers would be known as Bolsheviks—and Russia has never produced a more desperate gang of Bolsheviks than these carpet-baggers. Southern legislatures were thus controlled almost wholly by these carpet-baggers and by negroes, few of whom could either read or write and had to make their mark as members of the legislature.

These carpet-baggers who came South, bringing nothing but their vile character and a few odds and ends in the old carpet-bags which were used in those days by that class of travelers, must be differentiated from many Northern and Western men of the highest type who, entranced during the war by the charm and beauty of the South, decided at the close of the war to make their permanent home in that section. Here and there were to be found men who had ranked as high officers in the Union Army, who had come South, took an active part in upbuilding it, and were honored by the people of the South. Their number, however, was too small to have any influence against the power of the carpet-baggers and the negroes controlled by them.

The reign of loot in these Southern legislatures and of corruption of the greatest degree has probably never been paralleled in any civilized country. These legislatures voted millions and tens of millions of bonds, which were sold for anything that they would bring and the proceeds largely stolen in one way or another.

Many of these bonds were bought by English investors. Any banking house that sold these bonds was by that very fact proven to be unscrupulous in character, or absolutely incapable of business judgment. It was known in England as well as in America that these legislatures were composed of the most corrupt men and that the majority were negroes fresh from slavery, who knew nothing on earth about legislation or about issuing or selling bonds. They were voted like so many cattle by their carpet-bag bosses. That some English banking houses sold these bonds to their clients should stand forever as a disgrace against the bankers guilty of such a violation of confidence.

After the withdrawal of Union troops, the white people of the South regained control of their legislatures, and in view of what had taken place in the issuing and selling of these bonds, for which the states received practically no benefit, the bonds were repudiated. We believe that only two Southern states ever repudiated bonds issued prior to the Civil War. The holders of these ante-bellum bonds have a perfect legal and moral right to seek to collect them. But for the bonds issued by negro legislatures during Reconstruction days we believe there is neither legal nor moral right, unless that right applies to the Federal Government and not to the State governments. The Federal Government absolutely controlled the situation in the South until 1876, dominated that section through the most corrupt politics and negro votes, and if these bonds have any legal or moral obligation whatever for payment that obligation should rest upon the Federal Government.

It is hardly likely that the Federal Government will ever look at the matter in that way, and yet there is unquestionably a certain degree of moral obligation resting upon the Federal Government by reason of the fact that these bonds

were practically issued by its agents, for the members of these legislatures put into office by the force of Federal legislation and the Union Army were to all intents and purposes the agents of the Federal Government and not of the state.

It seems that comparatively few people of this generation have any knowledge whatever of the negro legislatures which the South had to endure under Reconstruction. A very intelligent woman, widely informed as to this country, when she saw a photograph of that South Carolina Legislature suggested that it ought to be published, as she had never before heard of such a thing, and doubtless many others are in the

same position. Through the kindness of Alexander McBee of Greenville, S. C., from whom the original photograph has been borrowed, we are able to publish the accompanying picture showing what the South Carolina Legislature of 1868 looked like, and in connection therewith giving some facts in regard to the negro members of that legislature, a very large proportion of whom could not read nor write, and as members of the legislature had to make their mark for their signature.

South Carolina was not alone in this sad condition, for nearly every state in the South had to pass through this

The Radical Legislature of South Carolina, 1868.



The accompanying illustration is from a photograph in the possession of Capt. Alex McBee, Greenville, S. C. These are the men who made the laws for South Carolina in 1868, levying \$4,000,000 on the white people of the state. There are 63 members in this reconstructed South Carolina Legislature, 50 of whom were negroes, or mulattoes, and 13 white. Twenty-two were able to read and write (only eight grammatically) and the remainder, 41, made their mark with the aid of an amanuensis or stenographer. Nineteen were tax-payers to an aggregate amount of \$146.10 and the rest, 44, paid no taxes.

Following are the names of the legislators, reading from left to right and beginning at the top of the picture:

Line One—Dusenberry, white; McKinlay, negro; Dickson, white; Wilder, negro; Hoyt, white; Randolph, negro; Harris, negro.

Line Two—Mayes, negro; Jillson, white; Lomax, negro; Jackson, negro; Thomas, negro; Webb, white; Bozeman, negro; Tomilson, white; Wright, negro.

Line Three—Demars, negro; Brodie, negro; Hayes, negro; Cain, negro; Maxwell, negro; Martin, white; Cook, negro; Miller, negro.

Line Four—Rivers, negro; Duncan, negro; Boozer, white; Smythe, negro; Wright, negro; Moses, white; Sanders, negro; Nuckles, negro.

Line Five—Miteford, white; White, negro; Barton, negro; Boston, negro; Shrewsbury, negro; Mickery, negro; Henderson, negro; Howell, negro; Hayne, negro; Mobley, negro; Hudson, negro; Nash, negro; Carmand, negro.

Line Six—Smith, negro; Pettengill, white; Hyde, ——; Lee, negro; Simonds, negro; Chestnut, negro; McDaniel, negro; Williams, negro; Gardner, negro.

Line Seven—Swalls, negro; Perrin, negro; James, negro; Johnston, negro; Wimbush, negro; Hayes, negro; Farr, negro; Meade, negro; Thompson, negro; Rainey, negro.

fiery ordeal, when corruption—indeed, when financial and political rottenness of the worst kind—ruled supreme in these negro and carpet-bagger controlled legislatures of the South.

As this condition was fully understood at the time, it is difficult for any honest-minded man to comprehend how English bankers robbed their clients by selling to them the bonds issued by such legislatures. Against such banking houses English investors might well make a claim for a refund of all the money invested by them for such bonds.

Meeting of American Iron and Steel Institute.

The twenty-ninth general meeting of the American Iron and Steel Institute will be held at Hotel Commodore, New York, on May 21, a forenoon session at 10 A. M., afternoon session at 2 P. M. and a banquet at 7 P. M., all according to daylight saving time. During the noon recess a luncheon will be served free to members, while members may obtain luncheon tickets for guests at \$2 each. Tickets for the banquet, both for members and guests, are \$6 each.

A program arranged for the meeting includes an address by Judge Elbert H. Gary, president of the Institute and chairman of the board, United States Steel Corporation, New York; papers on Modern Steam Power Stations, by C. W. E. Clarke and D. L. Galusha, New York; Data Relating to Basic Open-Hearth Steel Practice, A. N. Diehl, Pittsburgh; Observations on Phosphorus in Wrought Iron Made by Different Puddling Processes, Henry S. Rawdon and Samuel Epstein, Bureau of Standards, Washington; A Comparison Between Open-Hearth Furnaces of Various Sizes, Stewart J. Cort, Bethlehem, Pa.; Notes on Testing Coke, William A. Haven, Youngstown, Ohio, and on Reinforced Concrete, by A. E. Lindau, Chicago.

James A. Farrell, New York, is chairman of the committee on arrangements. Information regarding the meeting may be obtained from Howard H. Cook, 40 Rector street, New York, assistant secretary of the Institute.

A Gigantic Scheme Projected at New Orleans.

New Orleans, Louisiana, April 19.

Editor Manufacturers Record:

The ease with which New Orleans and Louisiana have raised large public funds for port development, Industrial Canal, Municipal Belt Railroad, publicly owned grain elevators, cotton warehouses, municipally owned water-works, lake-shore development and the like has attracted a great deal of attention.

Now we are planning to capitalize private capital in a large way.

The state owns the land under Lake Pontchartrain, a shallow arm of the Gulf adjoining New Orleans to the North. A great causeway crossing the lake is needed.

We propose that the state shall sell the right to create islands in Lake Pontchartrain, the payment to be a great causeway from island to island, to be built and given to the state free of cost to the taxpayers.

The carrying out of this plan would take years. Through it several hundred million dollars worth of very valuable water frontage would be created.

I enclose a circular and a copy of the state Constitutional amendment which the Louisiana State Legislature will be asked to approve next month.

New Orleans is taking its opportunities quite seriously.

WALTER PARKER.

E. V. Spence, city manager of San Angelo, Texas, will receive sealed bids until May 11 for the purchase of \$250,000 of school building bonds and \$250,000 of junior college bonds, both issues to bear an interest rate of 5 per cent.

Beneficiation and Utilization of Georgia Clays.

Georgia clays, properly mined, refined and blended, can be utilized in the manufacture of chinaware, tiling, high-grade refractories, and ornamental face brick, and can be used to displace to some extent imported clays, according to the Bureau of Mines, which has finished a technical study of these clays, in co-operation with the Central of Georgia Railway. The state of Georgia contains large areas of sedimentary kaolins and bauxites of industrial importance. Considerable development has taken place, and many undeveloped deposits are available.

Georgia kaolins have heretofore been used to some extent in the several white-ware industries. They have been used in virtually every type of pottery body, both dry press and plastic, where a china clay is required. In some cases they have been used successfully, while in others their use has been discontinued because of various reasons more or less warranted. Their use has been abandoned by some chinaware manufacturers principally because of lack of uniformity. Many of the clays burn to a good white, while others burn to a cream color. Georgia clays have been used extensively in the sanitary tile and electrical porcelain industries, but some manufacturers of these wares have not made use of them because black specks developed during the firing.

The Bureau of Mine's investigators found that, by the use of proper washing methods, the Georgia clays can be washed free from material that causes dark specks in whiteware. It was found that many clays which burned to an undesirable cream color could be produced white enough to meet requirements if the proper care were taken in their mining and refining. A serious problem in connection with the use of sedimentary clays in whiteware is the high bisque loss and excessive shrinkage. These difficulties can, the Bureau found, be largely overcome by proper body mixes and by the blending of the clays.

Georgia contains large deposits of refractory clays suitable for the manufacture of high-grade refractories. If enough of the clay is fired to a high temperature and used as a grog, the brick will go through the process of manufacture readily and will withstand every laboratory test for a high-grade refractory. Furnace tests under actual working conditions have proved that the service rendered by fire brick made from Georgia sedimentary kaolins was at least equal to and in most tests superior to that rendered by fire clay and aluminous brick.

These findings are of real industrial importance in view of the fact that supplies of the best fire clays of Pennsylvania, Maryland, Ohio and Kentucky within reach of the railroads are decreasing, and the average quality of the fire-clay refractories classed as No. 1 has fallen off within the last 15 to 20 years. It must, of course, be recognized that there are fire-clay refractories on the market at the present time as good as any in the past, but the bulk of such, as a class, has evidently decreased in refractories.

Light cream and light gray face brick can be made from a mixture of Georgia kaolin, aplite and sand, and these brick compare favorably with the best face brick from the fire clays of the Freeport, Mercer and Kittanning formations of Pennsylvania. This is of importance, as throughout the Southeast, and more especially in the coastal plain states, no clays have been found from which face brick, light cream to clear buff and light gray in color, can be made. Large quantities of such brick are used in this territory for building purposes and substantially all are shipped in from north of the Ohio and Potomac rivers. These desirable light-colored brick carry a freight charge of \$18 to \$20 per 1000, which makes their delivery cost up to about \$48 to \$50 per 1000.

Details of this investigation are contained in Bureau of Mines Bulletin 252, "Beneficiation and Utilization of Georgia Clays."

A Monopoly in Conservative Legislation by One Southern State and Its Effect.

By PETER O. KNIGHT.

Address delivered by Peter O. Knight, General Counsel of the Southern Hardware Jobbers' Association, at the Joint Annual Convention of the Southern Hardware Jobbers' Association and the American Hardware Manufacturers Association of the United States, held at the Atlanta Biltmore Hotel, Atlanta, Ga., May 4, 1926.

I have been requested to talk about business conditions in Florida.

Florida has been talked about and written about so much during the past year or more that I would have been impelled to decline the invitation, but there are some thoughts in connection with this matter that I want to talk about.

Business conditions in Florida, ever since 1884—when I located there, with the exception of a very few periods of extraordinarily short duration, have always been good. There is no state in the Union where there has been such constant, continuous growth and development for such a length of time as in Florida. We have never had in that state any panic or any approach to a panic.

In 1884 when I located in the little trading post of Fort Myers, Florida was such a wilderness and its transportation facilities so limited that it took 11 days for a New York paper to reach Fort Myers. When I moved to Tampa, six years thereafter, Florida was still so sparsely settled and undeveloped that one small bank with only \$300,000 of total banking resources was all that was necessary to take care of all the commercial requirements of south Florida, the east and west coast included. Florida has so rapidly grown and developed that today the banks of Tampa alone have forty times more deposits than all the banks of Florida had when I located in Tampa; and now the deposits of the banks of Florida are four times greater than the deposits of all the banks of the entire 16 Southern states in 1881. It tells the story; and no more amazing tale of astounding growth of any portion of the world has ever as yet been told; nor can it be told.

Florida has a monopoly. Wheat, rye, oats, barley, corn, potatoes, cabbages, apples, pears, peaches, plums, etc., can be grown anywhere and everywhere in the United States; but the spot that can produce citrus fruits and vegetables in winter, when fabulous prices are paid for them by the citizens of the North, is so small that a postage stamp on the map of the United States will cover it. And when we reflect that this is a nation of 117,000,000 people, increasing at the rate of 1,000,000 per annum in population and \$12,000,000,000 in wealth; that the demand for luxuries is constantly increasing; and that the spot of productivity can never be increased, the force of this statement becomes startling.

Unfortunately, last summer speculators from all over the United States rushed into Florida, took advantage of our situation and, against the wishes and advice of the conservative element of Florida, created an unusual real estate boom. Happily, it has passed away, and Florida is now upon a normal basis.

Business in Florida in all lines is now from 30 to 100 percent greater than at this time last year. Reliable state statistics show the state to be worth, in wealth alone, \$1,000,000,000 more than at this time last year; and all our records indicate that this will be the greatest year in material development that Florida has had. The only thing that troubles

the conservative Floridian is how the necessary facilities can be provided to take care of the constantly increasing population.

The thought, however, that I want to talk about, is to tell you the reason why we have had and are having this extraordinary prosperity.

It is not because of our matchless climate, our magnificent soil, our incomparable natural resources and advantages, but because of the conservatism of Florida's citizens. While the rest of the country, for many years, has been engaged in trying to pass laws to make water run up hill, to make the unnatural natural, to enable the fool to compete with the smart man, to enable the little fish to eat the big fish, to enable the man with the shortest pole to get the persimmon instead of the man with the longest pole, the people of Florida have believed in the law of the survival of the fittest, and that you could not, by man-made laws, change God-made laws. And we have hewn more strictly to the principles upon which this great republic was founded than any other state.

When our forefathers founded this country, they held that man had certain inalienable rights, the right to live, to be happy, to have, hold, and enjoy property; and that it was the purpose of a properly constituted government to secure man in those rights; that man's rights were only bounded by the equal rights of the other man; that man did not derive his rights from the government, but that, upon the contrary, the government derived its just powers from the consent of the governed; that a man ought to have the right to exercise his activities and his ambition to any degree that he saw fit, the sky being the limit, provided he acted within the bounds of decency and did not infringe upon the equal rights of the other man. We believe that the principal function of a government is to secure man in the enjoyment and ownership of his property after he has acquired it. And so we have

No franchise tax.

No severance tax.

No corporation tax.

No corporation stock transfer tax.

No tax on intangibles.

No income tax.

And no inheritance tax.

We have always had such an economical administration of our state affairs that, although we have none of this sort of taxes and only raise our revenue for state purposes by an occupational tax, a gasoline tax, and an ad valorem tax on real and personal property, and although the property of Florida is conservatively estimated to be worth \$6,000,000,000. all the property of the state, real, personal and utilities of all kinds, for taxation purposes is only assessed at the insignificant sum of \$620,000,000. And yet we have more paved highways, and more public improvements per capita than any other state in the union. We do not owe a dollar. We have no state bonded indebtedness of any kind or character, and have as of the first of May \$12,000,000 in the state treasury.

I challenge any state to produce its equal. It cannot be done.

To such an extent have we grown in conservatism that the

people of Florida, by a vote of more than four to one, have placed in the state Constitution a prohibition against the levying of any state income or inheritance tax. We do not believe in either of these taxes; and we believe that a Federal inheritance tax is communistic, anarchistic, bolshevistic and socialistic.

We criticise the French because they are about to make a capital levy. Yet we do worse than that in this country. They propose to take a part of a man's estate when he is alive, while we in this country permit a man to work hard, to accumulate something for his loved ones, and then we take it away from him after he is dead, the very time when the estate of all times needs his guiding hand and head.

The United States Chamber of Commerce has condemned it. The American Bankers Association has condemned it. And so has the American Manufacturers Association, and the American Bankers League, and all other bodies that have considered it. President Coolidge and Secretary of the Treasury Mellon have denounced it as legalized robbery. And to such an extent was public opinion aroused about this matter that when the Ways and Means Committee met in Washington in October to consider the framing of a revenue bill, governors representing 32 states appeared before this committee and demanded that the Federal Government retire from this field and permit inheritance taxes to be levied by the respective states. If they cared to do so. And then Green of Iowa, who calls himself a Republican, and Garner of Texas, who calls himself a Democrat—and if Green of Iowa were in Texas he would be a Democrat, and if Garner of Texas where in Iowa he would be a Republican—said to the governors: "Why, you do not know what you are doing! Hundreds of thousands of people are now going to Florida; and, if the Federal inheritance tax is repealed, everybody will go there. So we are going to keep the inheritance tax, but give those states that have a state inheritance tax credit for 80 per cent of the amounts paid by them." And this socialistic principle was passed by the House and sent to the Senate. The Senate Finance Committee, by a vote of 17 to 1, repudiated it, and the Senate affirmed the action of the Senate Finance Committee; but the House refused to recede from its position. And so there was passed this iniquitous, bolshevistic inheritance tax, in the form above described.

No more un-American piece of legislation has ever been enacted, and Congress ought to be heartily ashamed of itself.

When the framers of our Constitution had completed their work and the Constitution was adopted—the most marvelous instrument ever penned by mortals—the rights and powers of the individuals were defined therein so that, no matter how great or powerful the individual might become, he could never interfere with the rights of the state, or the rights of the Federal Government; the rights of the state were specifically defined, so that, no matter how great the state might become it could never interfere with the rights of the individuals or of the Federal Government; and the rights and powers of the Federal Government were defined so that, no matter how great this nation might grow, it could never interfere with the rights of the individuals or the powers and rights of the respective states. Each state was guaranteed a republican form of government, free from civil tyranny and ecclesiastical domination. In fact, such a marvelous government was perfected that, under the theory of it, all the people of the United States combined cannot take away from the humblest citizen of the land the slightest right guaranteed him by that instrument.

And yet, here, we have the spectacle of the Federal Government imposing taxes which it concedes and admits the Federal Government does not need, for the purpose of coercing a sovereign state to pass legislation in a matter of purely local concern against not only the wishes of the people of

that state, but its constitution solemnly adopted by its people.

At a recent meeting of the leaders of Florida, held in Palm Beach on April 16, at which were present more than 1000 delegates, resolutions were unanimously adopted condemning Congress for its action in this matter. And I ask your attention while I read them. The resolutions are as follows:

Whereas, the people of Florida, by a vote of four to one, adopted a Constitutional amendment prohibiting the state from levying in the future any inheritance or income tax; and,

Whereas, the state is having unparalleled prosperity, growth, and development, largely as a result of this wise, conservative and far-sighted action upon the part of its citizens; and,

Whereas, the state's finances are in such an admirable condition that, although it has no severance tax, no corporation tax, no corporation stock transfer tax, no franchise tax, no income tax, and no inheritance tax, it has no bonded indebtedness of any kind or character, does not owe a dollar, and has as of the first of April in its treasury, in excess of \$11,000,000 in cash, thus demonstrating beyond question that the levying of an inheritance or an income tax is absolutely unnecessary in this state; and,

Whereas, the Congress of the United States, in enacting the present revenue law, provided therein for a Federal inheritance tax, but allowing those states that have inheritance taxes a credit to the extent of 80 per cent of the taxes so paid, the avowed purpose of which was to force the states of Florida, Alabama, and others similarly situated, to levy an inheritance tax; and,

Whereas, taxing the dead, either by Federal legislation or state legislation, is a capital levy and should not be resorted to except in time of war or other grave emergency; and,

Whereas, an inheritance tax, if it is to be written into law at all, is a prerogative of the state, a political question exclusively within the province of the state; and,

Whereas, Congress, by giving to the respective states that have inheritance taxes credit for 80 per cent of the taxes so paid, admits and concedes that the Federal Government does not need the revenue; and,

Whereas, the action of Congress, in endeavoring by Federal legislation to coerce a sovereign state into enacting legislation contrary to the wishes of the people of that state in a question of purely local concern, is unprecedented, arbitrary, despotic, indefensible, and contrary to the very fundamentals of our American form of government; and,

Whereas, the Federal Constitution guarantees every state a republican form of government, free from Federal interference in its domestic affairs, and guarantees that all Federal taxation shall be imposed with uniformity, and for the Federal Government to lay with one hand the tax on all states, and then with the other to bestow upon those states who tax the dead man 80 per cent of the tax imposed by the Federal Government and deny the same gifts to Florida, Alabama, and others similarly situated, which do not tax the dead man, is unjust, discriminatory, in conflict with the genius and spirit of the organic law of the Union and palpably unconstitutional; and,

Whereas, under the Constitution of the United States, the Supreme Court has original jurisdiction in all controversies between the Federal Government and one of the sovereign states (see Minnesota vs Hitchcock, 185 U. S. 373); therefore be it

Resolved, That we protest against the passage of a Federal inheritance tax, and especially one in the form of that which has been passed, and we regard such action upon the part of Congress as unnecessary, uncalled for, vicious, arbitrary, indefensible, without justification, and contrary to the fundamental principles upon which this republic is founded; that we reaffirm our confidence in the wisdom of the people of Florida in adopting the Constitutional amendment prohibiting the legislature of Florida in the future from ever levying any state income or inheritance taxes; that we call upon the governor of the state of Florida to have the Attorney General of the state immediately institute proceedings in the Supreme Court of the United States to test the constitutionality of the inheritance tax provision of the present revenue law; and, that the state administration take all and every action that may be necessary in the premises. Be it further

Resolved, That the state of Florida declines to be coerced

into repealing the Constitutional provision forbidding the levying of taxes upon the estates of dead men, but avows its intention of forever maintaining and continuing the Constitutional amendment in question. Be it further

Resolved, That we call upon our Senators and Representatives in Congress to demand the repeal of the Federal inheritance tax and that they continue to take such vigorous action as may in their judgment be deemed best to bring this about.

The resolutions speak for themselves. No comment upon them is necessary.

But you will pardon me if I say that, in the passage of those resolutions, this nation has never had such an exemplification of devotion to American principles, American ideals. Need I continue to tell you why Florida has prospered and why it will continue to prosper? A state with any sort of soil or climate or natural resources, but with such a citizenship as Florida has, will continue to prosper and grow and develop until it will become the leading state of this nation.

During the time this matter was under consideration before Congress it was argued that, if the Federal inheritance tax was repealed, the remainder of the states of the nation would be compelled to repeal their state inheritance taxes.

Do you realize the significance of that thought? Realize the important part that Florida is playing in the affairs of this nation. Imagine a state occupying such an enviable position, because of the conservatism of its citizens, that the people from the remainder of the estates felt compelled to go to Washington asking it to pass legislation un-American and unconstitutional against a sovereign state to prevent the depopulation of their respective states and the migration of their people from their respective states to Florida. No higher compliment has ever been paid to any state. No higher compliment could be paid.

But if the policy that Florida has been and is pursuing is such that it makes this state so attractive to capital and to the American citizen that the remainder of the states, instead of vying with each other as they have been for the past twenty years to see which could butcher, penalize, tomahawk, scalp, and hammer business the most, will vie with each other to see which will be the most conservative and which can offer the most protection to capital invested in the respective states, Florida will be performing a more wonderful service for the people of this nation than mere words could describe.

Florida is surely leading the way.

Farm Tenancy on the Increase.

According to preliminary census returns, 38.6 per cent of the farms of the country were operated by tenants in 1925, as compared with 38.1 per cent in 1920. There was a decrease in the total number of farms reported, a decrease in the number of farms operated by owners and managers, but an increase in the number of farms operated by tenants.

The 1925 farm census gives the total number of farms in the United States, showing for each state the number operated by owners (owning all or a part of the farm), by managers (operating a farm for another), and by tenants (operating a farm belonging to another and paying a rental in cash or a portion of the product), with comparative figures for 1920. During the five-year period the number of farms in the United States decreased from 6,448,343 to 6,371,617, or 1.2 per cent; the number operated by owners decreased from 3,925,090 to 3,868,334, or 1.4 per cent; the number operated by managers decreased from 68,449 to 40,755, or 40.5 per cent, and the farms operated by tenants increased from 2,454,804 to 2,462,528, or 3 per cent, in 1925 over 1920.

The total number of farms in the South reported in 1925 was 3,381,570, which is 53 per cent of the country's farms, compared with 3,459,528 in 1920, or a decrease of 2.2 per cent.

The number of farms operated by owners in the South in 1925 was 1,687,029, or 43 per cent of the country's total, as compared with 1,776,245 in 1920, a decrease of 5 per cent.

The number of farms operated by managers in the South in 1925 was 11,968, which was 29 per cent of the country's total, as compared with 20,421 farms operated by managers in the South in 1920, a decrease of 41 per cent.

In 1925 the South reported 1,682,573 farms operated by tenants, 68 per cent of the country's total, as compared with 1,662,863 farms in 1920, or an increase of 1.2 per cent.

NUMBER OF FARMS BY TENURE FOR EACH CENSUS SINCE 1900 FOR THE UNITED STATES AND THE SOUTH.

Number of Farms:	1900	1910	1920	1925
South	2,895,590	3,363,955	3,459,528	3,381,570
United States	5,737,372	6,361,502	6,448,343	6,371,617
Operated By:				
Owners—				
South	1,561,960	1,730,618	1,776,245	1,687,029
United States	3,653,323	3,948,722	3,925,090	3,868,334
Managers—				
South	20,465	18,162	20,421	11,968
United States	59,085	58,104	68,449	40,755
Tenants—				
South	1,313,165	1,615,175	1,662,862	1,682,573
United States	2,024,964	2,354,676	2,454,804	2,462,528

NUMBER OF FARMS BY TENURE, BY STATES, 1925.

Division and State	1925	Total Number of Farms	—No. of Farms Operated by	1925	Per Cent of Total Farms Operated by Tenants
			Owners	Managers	Tenants
United States	6,371,617	3,863,334	40,755	2,462,528	38.6
New England	159,489	148,159	2,462	8,868	5.6
Maine	50,033	47,984	350	1,639	3.4
New Hampshire	21,065	19,895	156	1,014	4.8
Vermont	27,786	24,889	307	2,590	9.3
Massachusetts	33,454	30,870	979	1,605	4.8
Rhode Island	3,911	3,263	176	472	12.1
Connecticut	23,240	21,258	494	1,488	6.4
Middle Atlantic	418,868	348,179	4,465	66,224	15.8
New York	188,754	159,949	2,261	26,544	14.1
New Jersey	29,671	24,535	413	4,723	15.9
Pennsylvania	200,443	163,695	1,791	34,957	17.4
East No. Central	1,051,572	771,876	6,606	273,090	26.0
Ohio	244,703	181,347	1,060	62,296	25.5
Indiana	195,786	137,429	1,268	57,089	29.2
Illinois	225,601	129,074	1,877	94,650	42.0
Michigan	192,327	161,974	1,234	29,119	15.1
Wisconsin	193,155	162,052	1,167	29,936	15.5
West No. Central	1,111,319	685,798	5,570	419,951	37.8
Minnesota	188,231	136,382	766	51,083	27.1
Iowa	213,490	116,443	1,651	95,396	44.7
Missouri	260,478	174,385	1,063	85,030	32.6
North Dakota	75,970	49,513	361	26,096	34.4
South Dakota	79,537	46,160	331	33,046	41.5
Nebraska	127,734	67,766	669	59,299	46.4
Kansas	165,879	95,149	729	70,001	42.2
South Atlantic	1,108,070	609,310	6,186	492,574	44.5
Delaware	10,257	6,515	74	3,668	35.8
Maryland	49,001	35,138	936	12,927	26.4
Dist. of Columbia	139	81	19	39	28.1
Virginia	193,723	143,587	1,287	48,849	25.2
West Virginia	90,380	74,943	662	14,775	16.3
North Carolina	283,482	154,805	423	128,254	45.2
South Carolina	172,767	59,969	368	112,430	65.1
Georgia	249,104	88,686	1,407	159,011	63.8
Florida	59,217	45,586	1,010	12,621	21.3
East So. Central	1,005,974	497,785	1,732	506,457	50.3
Kentucky	258,514	175,435	281	82,798	32.0
Tennessee	252,669	148,624	326	103,719	41.0
Alabama	237,563	92,918	447	144,198	60.7
Mississippi	257,228	80,808	678	175,742	68.3
West So. Central	1,017,305	412,064	3,061	602,180	59.2
Arkansas	221,994	95,479	616	125,899	56.7
Louisiana	132,451	52,386	504	79,561	60.1
Oklahoma	197,218	81,226	494	115,498	58.6
Texas	465,642	182,973	1,447	281,222	60.4
Mountain	233,434	179,234	2,411	51,789	22.2
Montana	46,906	36,283	367	10,256	21.9
Idaho	40,593	30,195	512	9,886	24.4
Wyoming	15,512	12,545	191	2,776	17.9
Colorado	58,026	39,518	585	17,923	30.9
New Mexico	31,687	26,005	256	5,426	17.1
Arizona	10,798	8,178	293	2,327	21.6
Utah	25,999	23,020	90	2,889	11.1
Nevada	3,913	3,490	117	306	7.8
Pacific	265,586	215,929	8,262	41,395	15.6
Washington	73,267	60,389	935	11,943	16.3
Oregon	55,910	45,886	618	9,406	16.8
California	136,409	109,654	6,709	20,046	14.7

Foreign Trade Convention to Stimulate Industry.

By GEORGE GARNER.

Charleston, S. C., May 1.

Although the thirteenth annual convention of the National Foreign Trade Council adjourned last evening, its work for the year actually has just commenced—that work is the stimulation of American industry through development of the American export business. The discussions, deliberations and conclusions were far more than “inspiring,” and “stimulating” was the word used by James A. Farrell, president of the United States Steel Corporation, as chairman of the Foreign Trade Council.

In itself, the convention was described by veteran members of the Council as possibly the most successful in its history in many ways. Approximately, 1100 delegates were registered as present, representing 36 states and with visiting participants from Canada and Cuba, from China and South Africa, and all were earnest in appreciation of the hospitality extended to them by Charleston on behalf of the South and by the South on behalf of the nation. To many of the visitors the South was *nova terra* and many expressed amazement, and later interest, as its potentialities were spread before their eyes or related to them by men who know the South.

“The South has made tremendous strides in recent years; it has awakened from the lethargy which followed the Civil War—it has made, relatively, far greater advance in recent times than any other part of the country,” said Walter Lichtenstein, executive secretary of the First National Bank of Chicago, “and this advance has been particularly notable in manufacturing industries, especially textiles. **The future now is with the South, as at one time only the past was.**”

And so spoke C. C. Martin, chairman of the Foreign Credit Forum, New York city, and other visitors of similar standing.

Thus, in stimulation of the American export business the South is expected in the future to supply largely the agricultural and manufactured products for the business and for rail, water and truck transportation, and the ports and the vessels for their shipment. Nor could sound men see why the South should not finance a prodigious export business, with mutual profit to that business and to itself. Export business is expected to stimulate the South and the South is expected in at least equal measure to stimulate the export business.

Instead of the “resolutions” usually adopted by conventions, the National Foreign Trade Council frames a “declaration,” which it presents to the convention as indicative of its views and policies. The declaration adopted on Thursday and submitted to the convention on Friday was as follows:

“The foreign trade of the United States for the calendar year 1925, measured by value and volume, was the largest of any normal year. It exceeded in value that of 1924 by more than \$900,000,000 and in volume by more than 1,500,000 tons. The increase of exports was 6.9 per cent and the increase of imports was 17.1 per cent. This change has been accentuated in the first three months of this year. We should, however, recognize that imports of materials not readily produced here are necessary and tend to increase foreign buying and assist our exports in finding ready markets. World trade has nearly recovered the volume it had reached in 1913, and this year it should attain pre-war basis. The loss of normal growth of international trade during 12 years is one measure of the cost of the war.

“This convention welcomes the participation in its sessions by the British Dominions, and especially of our Northern neighbor, who for more than a century of unbroken friendship has been one of our great suppliers, as well as one of our best customers. The vast and growing trade between Canada and the United States is a striking proof of the value of such friendly relationship and an unanswerable argument for the spirit of co-operation in developing trade.

“The countries which are our leading competitors in world

trade—Great Britain, Canada, France, Belgium, Germany and Japan—are the largest purchasers of our products, manufactured as well as crude. This shows increasing activity of other nations in general trade results in increased purchases from us.

“American foreign trade is in a firmer position than ever before, for our trade practice has been so improved that our competitors recognize it as standard in world commerce. We have reached the stage of expanded interest and participation which tends to diminish the risk of the whole because of wider distribution. The number of foreign traders grows as the volume of trade increases.

“This situation calls for continued vigilance and activity. There are many ways in which further improvement may be made. Certain matters relating to trade procedure are wholly within the control of the traders themselves. Others call for Congressional action. The American people are convinced that the maintenance of a merchant marine, privately owned and operated, is essential to both our commerce and national defense. The chief agency for the accomplishment of this purpose is the support of American ships by American importers and exporters.

“Despite the continued world-wide depression in the shipping business, more ships are now operating under the American flag and a larger proportion of our cargo is carried in American bottoms than at any time in the last 60 years. The surplus tonnage of all nations is gradually decreasing, through natural causes, and the volume of world commerce is steadily increasing, so that the shipping industry is slowly approaching a point where the supply of tonnage will more nearly approximate cargo opportunities.

“The enactment by Congress of the tax revision bill, approved on February 25, has given encouragement to international as well as domestic enterprise. Especially to be commended is the relief of Americans resident abroad from tax upon incomes earned in the country of residence.

“The great expansion of the re-export element of world trade during the last year demonstrates more strongly than ever the need for foreign trade zones in our ports, as our shipping and our foreign traders suffer severely from this handicap. Our share in the total international trade of the world last year was 18 per cent, but our share of the world’s re-export trade was less than 3 per cent.

“A measure of much importance to our foreign trade, which is now pending in the House of Representatives, is the bill to repeal the provisions of existing law which block the negotiation of a permanent parcels post convention with Cuba. This measure should be promptly enacted, so that American manufacturers generally could be assured of permanent access to this Cuban market on a footing of equality with Europe.

“In view of the experience of the past year and in view of the change in the trade figures, we feel constrained to reiterate the statement made by the twelfth Foreign Trade convention which met at Seattle in June, 1925:

“In the flotation in this market of foreign loans, our bankers have opportunity to be of substantial service to American foreign trade. The present situation calls for the exercise of constant care and prudence, lest American capital be devoted to uses detrimental, rather than helpful, to American enterprise. It is of the utmost importance that our bankers, when negotiating foreign loans, should always have regard to the furtherance of American trade and they should, as far as practicable, provide for the expenditure of the proceeds in this country.”

“The progress made in the adjustment of interallied debts during the last year will ultimately prove of great benefit in the stabilization of foreign trade.

“The importance of our national consumption of imports of raw materials emphasizes the necessity of developing increased production of such supplies wherever possible in order to insure reasonable prices.

“Realizing that the free flow of commerce, domestic and foreign, is essential in maintaining satisfactory relations between the seller and the buyer, we commend the interest of the Department of Commerce in opposing Governmental controls of raw materials.

“We urge the prompt enactment of the bill now pending in Congress, the purpose of which is to place the trade promotion service of the Department of Commerce upon the

basis of permanent career, and the maintenance of its personnel within the civil service as at present."

Several points in this declaration are of interest and significance.

In the opening paragraph appears disclosure of the fact, already cited in the MANUFACTURERS RECORD, that the increase in American exports was only a little over one-third of the increase in imports. But in the phrase, that "imports of materials * * * tend to increase foreign buying and assist our exports in finding ready markets," is seen the view of the American bankers who have sponsored huge loans abroad, even though the phrase be softened by the qualification, "materials not readily produced here." Apropos to nothing, it may be stated that 120 bankers were registered at the convention, as compared with 115 exporters.

In contrast with what may be called "the bankers' view" is the paragraph quoting the declaration at Seattle last year: "In the flotation in this market of foreign loans our bankers have opportunity to be of substantial service to American enterprise." There spoke the 115 exporters, the exercise of constant care and prudence, lest American capital be devoted to uses detrimental, rather than helpful, to American enterprise." There spoke the 115 exporters, the 81 chamber of commerce representatives, the 95 manufacturers and others on the convention registration list.

Discussion of the export business disclosed numerous and intricate ramifications. Involved in it are a score of subsidiary and collateral and related subjects, and most of these were discussed by experts. The foreign trade outlook was treated by Mr. Farrell. "Friendship and Trade Across the Invisible Border" was the subject of an address by C. P. W. Schengers, president of the Victoria Chamber of Commerce in Canada; "Education for Foreign Trade" was the topic at one group discussion, and banking facilities, export sales policies, American railroad rates and advertising were some other group topics.

Also, interesting facts, some almost startling in their nature, were brought to light in informal interchange of information. For instance, it was shown that, while rail freight rates on steel are \$12.70 a ton from Birmingham to Galveston, Germany or other foreign countries can ship it from Antwerp to Galveston at \$3.55 a ton—a difference which goes far, indeed, to counterbalance any protective tariff. On the same line, Germany can ship steel from Antwerp to San Francisco for \$5 a ton, while the American rail rate merely from Pittsburgh to Baltimore is more than \$6 a ton.

Incidentally, in informal discussion of German competition in the United States, strong intimation was given to me that some American companies juggle steel prices in a manner which causes harmful "price demoralization," and that this phase of that industry must receive attention.

By great industrial leaders present two points were clearly stated: (1) The present protective tariff must be maintained, or even, indeed, be strengthened; (2) readjustment of American rail freight rates would be mighty helpful in the present prospect of foreign competition in the United States.

Yet, while industrial leaders present advocated a protective tariff, a substantial section of the banking world, as represented by Fred I. Kent, vice-president of the Bankers Trust Company, New York, appeared to favor tariff reduction and encouragement of imports from abroad. "When Governments do not raise trade barriers, demand and supply serve to intelligently regulate trade," said Mr. Kent, and: "We are too apt to overrate the value of exports and underrate the value of imports." To some of his auditors Mr. Kent's conclusions recalled the words of President Wilson in recommending virtual free trade, that American manufacturers should throw away American advantages and simply "match wits" with the industries of other lands. While Mr. Kent's

address was courteously applauded, it did not appear to create any enthusiasm for his doctrines.

Apparently, it was felt at this convention, as it is felt through the country at large, that American bankers who have promoted or sponsored foreign loans aggregating over \$10,000,000 are eager to stimulate the import business so that the foreigners may have money to meet their interest charges and some day pay their loans. On the other hand, industry realizes that it now faces furious foreign competition, and that the adage, "Charity begins at home," is pretty sound doctrine in a possible relentless competition.

On the line of freight rates, little sympathy was voiced for the theory on which the Supreme Court of the United States upheld the establishment of lower rail rates on import commodities than on straight domestic freight.

By no means the least interesting feature of the convention was the appearance and registration of two representatives of the Russian Amtorg Trading Corporation of New York and a representative of the Russian Information Bureau of Washington, a Soviet institution. As explained to me by George V. Tourbin, vice-president, and J. P. Nikonow, of its technical department, "The Armtorg," as they call it, is a Russian purchasing and selling agency in the United States, representing "some 700 Russian industries and firms and representing officially the Soviet Government." While these Soviet Russians were very unobtrusive, they told me, nevertheless, that they had done a great amount of missionary work on business lines, and I easily gathered from their talk a belief that they had made still further insidious advance in the campaign for the recognition of the Soviet Government by the Government of the United States.

"We want American recognition for the strengthening of our credits," said M. Nikonow, in our chat in their room at the Francis Marion Hotel.

Under the surface, I deduced, Russia is coddling up to American business—and especially co-called "big business"—to enlist its sympathy and aid in obtaining American recognition. If American business with Russia can be developed to a large degree, it is felt that American business will demand that its great customer be given recognition. And indication of such progress may be seen in the fact that the Russians are obtaining American credits on their purchases running in some cases to three and a half and to even five years, for American business hardly would grant such long credits to such a customer if it did not feel this customer soon would be established on a firm basis by American recognition.

On the other hand, I gathered that American big business is not yet prepared—is not yet quite disposed—to come out openly and above-board for such recognition, but would continue quietly to do business with Russia until such volume be accumulated as almost to force the American Government to recognize Russia, for the protection of American credits and other business engagements with the Russian Government and other Russian debtors—for American credits are not being granted only to private Russian concerns, but also to the Russian Soviet Government, M. Nikonow declared to me.

According to the Commercial Handbook of the Union of Soviet Socialist Republics, "foreign trade is a (Russian) government monopoly, controlled through the Commissariat for Trade and Commerce," and from this it can be seen that most of the business done by Russia with American concerns is business of the Russian Soviet Government. And among the heavy American sellers to the Soviet government, with generous credits in some cases, M. Nikonow named to me some of the largest corporations in the United States.

The Russians left Charleston on Friday morning for an inspection of American textile mills in this section of the South.

Great interest was indicated in the textile trip, represen-

tatives of the Columbia Chamber of Commerce having extended cordial and pressing invitations to the visitors to make the inspection tour. Several availed themselves of the opportunity to run over the Southern plants, and many more declared they would have been glad to do so if the trip had not started on the last day of the week.

Even without that inspection, however, the holding of the convention in Charleston undoubtedly meant much to the South. Scores of delegates evinced most lively interest in the progress and development of the South and many declared themselves amazed by its industrial growth in the recent years. The new spirit of the South impressed them, and the South was described by those who studied it while

at Charleston as the "prosperity corner" of the country.

For its own part, Charleston did nobly in the entertainment of the hundreds of visitors. Every comfort and convenience was assured, entertainments of all kinds were given, and the visiting ladies did not find one minute hanging heavy on their hands. Also, Charleston registered over 300 citizens for the convention, the largest number in proportion to its size of any city in which these conventions have been held.

Rivalry for the next convention site was strong, Houston putting up a gallant fight against Detroit, while Mobile made its presence felt in the deliberations. Eventually, the choice fell upon Detroit and the defeated Southerners were the first to congratulate the delegates from the fivver city.

The Commercial Possibilities of the South Atlantic.*

By R. GOODWIN RHETT, President, People's First National Bank, Charleston, S. C.

In the early days of the Colonies negro slaves were introduced into almost all of them. Their importation soon grew to large proportions in the Southern Colonies against vain protests made by most of these Colonies to Great Britain. During all the first half of the Nineteenth Century the South continued to prosper and a large part of her surplus income was invested in slave labor for the better and wider cultivation of her crops. Even as late as 1850 the census placed Georgia first among all the states in the Union in her personal property assessed for taxation, with Massachusetts second, South Carolina third, Alabama fourth and New York fifth. At that time the taxable value of the slaves in the South who produced most of her cotton and tobacco is reckoned at not less than one billion dollars.

On the other hand, the economic story of the Eastern and Middle states is a very different one. Conditions there were not suitable for negro labor and much of it was in time transferred to the cotton states. In the early days of the Union the thoughts and energies of the North Atlantic states turned more and more to manufacture and shipping and also to finance. They invested their surplus incomes in buildings and machinery and their progress was equally rapid and in some respects more so. Their financial resources soon grew to large proportions, their per capita circulation about 1840 being something like \$9 to less than one-fourth of that amount in the South and West. Moreover, they early turned their attention to the problems of transportation. * * *

Then it was that they laid the foundation of that complete control of the finances and the transportation of the country through which in later years the South Atlantic section was to suffer sorely and its ports to be cut off completely from foreign commerce, save in the products of its soil in the immediate vicinity of these ports and in the fertilizer materials necessary to grow its crops.

It was in 1828 that the locomotive appeared and the steam railway began to revolutionize land transportation. Men of vision here at once sensed the importance of promptly utilizing these new highways, and one of the earliest railroads constructed in the country ran from Charleston to the Savannah River opposite Augusta, 136 miles away, but there, unfortunately, it was halted for many years. Senator Robert Y. Hayne, who divided with Calhoun the political prestige of South Carolina at that time, conceived the idea of extending the road from Branchville to Columbia, both in this state, and thence through the Piedmont district of it through North Carolina into Tennessee and Kentucky in order to connect up with that growing section and thus to establish a great trade artery between them and this port. * * *

Unfortunately for Charleston, for South Carolina and for

the entire coast section this vision was never realized. Calhoun threw his influence for the construction of the road westward through Georgia. But while the people of North Carolina and Tennessee were clamoring for its construction to the Northwest, offering ample aid to that end, the people of Georgia never permitted a bridge to be built over the Savannah River at Augusta until 1853, over twenty years after the railroad reached its shores, and so Charleston never did acquire any trade route to and from the West. Had this railway projected by Hayne been constructed at that time who can doubt that the cotton factories of the Piedmont sections of North and South Carolina would have been built many decades earlier than they were built, and that the water-powers of all that section would have been converted into use for manufacture of numerous kinds long before the Civil War; and who can say that this might not even have led to a peaceful solution of the vital problems which were driving the two sections farther and farther apart.

It is very difficult for those who were not in the South during the Civil War and for 10 years thereafter to realize the full extent of the disaster which overwhelmed her people. Not only were fields laid waste and thousands upon thousands of buildings destroyed, while the vast investments in slaves were wiped out of existence, but the political franchise, suddenly thrust upon these ignorant negroes without any preparation for it—without any understanding of its responsibilities—soon placed the government of the South in the hands of negro demagogues and of unscrupulous white carpet-baggers who invaded her territory solely for the purpose of plunder. During those 10 years the South was very naturally shunned by all save despilers.

Capital studiously avoided her except for exploitation. Hundreds of thousands of her young men were driven into other parts of the country. But those who were left doggedly took up the task of extricating her from the hands of those who were literally strangling her; of giving intelligent direction to the ignorant mass of negroes totally unaccustomed to self-control; of rebuilding her industries and recultivating her fields; of educating her people, white and black, and out of her own shattered resources restoring her former prosperity.

The progress of the South since 1876, when the Reconstruction era ended, has been almost incredible to those unfamiliar with the marvelous resources of the country and unacquainted with the indomitable spirit of her people who would not be denied their place in the nation. Writers from all parts of the United States have told and retold the story in the daily press and magazines and I do not propose to repeat it here.

Several years ago a conference of the steamship owners and operators along the Atlantic and Gulf coasts of America was held for the purpose of agreeing upon ocean rates to

*From an address delivered at the National Foreign Trade Convention, Charleston, S. C.

Europe. Under the domination of the North Atlantic steamship companies, acquiesced in by the Shipping Board, a differential of 7½ cents per 100 pounds was placed against this coast and 15 cents per 100 pounds against the Gulf coast. This, of course, made shipments from the interior via the South Atlantic and Gulf ports to Europe impracticable. In reply to vigorous protests, the difference in distance was cited as the justification, but it soon became apparent that this plea was untenable because the difference between the distance from Boston to Liverpool and the distance from Baltimore to Liverpool (430 miles), both enjoying the same rates, was very much greater than the difference between the distance from Baltimore to Liverpool and the distance from Charleston to Liverpool (135 miles), where 7½ cents was added to the ocean rate.

Moreover, all the North Atlantic ports were given equal rates to all portions of Europe, including the Mediterranean, irrespective of the difference in distances, and New York had the same rates to Havana as Savannah, although the distance in the latter case was less than one-half the distance in the former case. Now that injustice has also been rectified and the South Atlantic ports for the first time in a half-century have a real opportunity of taking their proper place in the foreign commerce of the country. The increase in commerce through these ports in the last two years clearly forecasts the results which must follow in larger and larger measure, e. g., Charleston's foreign trade jumped from \$19,500,000 in 1922 to \$43,500,000 in 1925, and it is the same story with Savannah, Jacksonville, Wilmington and Brunswick. In fact, the increase is even greater in some of them.

A Southern banker told me recently that he had heard one of the leading business men of New York in an address before one of her commercial bodies predict that the competition which that port was going to feel most in the next two decades would come from the South Atlantic.

There are many ports of the world where branches of factories on this coast would be enabled to deliver merchandise much cheaper than they can do at present. In fact, the opportunities in the field of industry in this section have become as inviting as those in foreign trade. The country in the vicinities of these ports, stretching back to the mountains, presents a most attractive field for the establishment of innumerable industries. The climate is mild and salubrious, the mortality rate being among the lowest in the whole United States. The cost of living is cheap in comparison with the more congested sections of the country. The opportunity for outdoor recreation is open all the year round, while improved roads, now everywhere to be found in this territory, add much to that opportunity. They also give to industry the facilities which in this day they must have to live and prosper.

Already the textile mill industry is centering in the Carolinas and North Georgia, and not altogether because of the proximity of the cotton field, for many of these mills bring in their cotton from fields hundreds of miles away, but because of the cheap water-power, of the salubrious climate—winter and summer—and of the greater comforts and pleasures which may be secured by employees at a small cost. Living being cheaper, healthier and more accessible to recreation, labor is content with less compensation because that compensation procures so much more for them.

Already over 50 per cent of the electrical energy produced in the South is derived from water-driven generators and some of the largest water-powers have yet to be developed and put into operation, such as the great water-power at Muscle Shoals, now awaiting a lessee.

Several years ago an investigation was instituted into the practicability of securing a large water-power at the very doors of Charleston. The Foundation Company of New York has recently reported a project for the development of a

water-power from the Santee River, second only to that of Muscle Shoals, and at a cost far below the average cost of the water-powers of the country, and the Government has just approved the plans necessary for its installation, i. e., impounding the waters of that river into a lake covering some 50,000 acres of land—principally swamps, I am glad to say.

Already regular steamer services have been established from these ports to Europe, the West Indies, South America, the Pacific Coast and the Far East. It is only by regular sailings upon which exporters and importers can depend that commerce can grow to any proportions, and these are now being established to an ever-widening foreign field. It is always an uphill task to change the trend of traffic. No shipper wants to make a move from a service he has found reliable, even at the saving of some expense, to one upon the permanency of which any doubts are cast, and so it will take time and much advertising to establish complete confidence in these services, most of which are only of recent origin; but the progress already made has been phenomenal and the final outcome cannot be doubted.

It is most opportune that this convention, composed of the leaders of industry from all sections of these United States, seeking closer and more economic connection with foreign markets, should visit Charleston at this juncture, so that its members may see for themselves the wonderful opportunities which are opened up to them in this the last frontier in America.

The boom in Florida is said to be passing, but, however that may be, the most remarkable development in the history of the country has taken place there and the eyes of America have not only been opened to the glories of that state, but to those of all this coastal section and to the marvelous opportunities that lie here for both industry and commerce. The march of progress for half a century after the Civil War was everywhere heralded to be westward. It has now definitely turned back to the Southeast—"the last of American frontiers"—and today the land of highest promise in all its vast and rich territory.

Ashland Plans to Raise \$800,000 for New Industries.

With reference to a recent item in the MANUFACTURERS RECORD announcing that the industrial budget committee of the Chamber of Commerce of Ashland, Ky., has voted a fund of \$250,000 to encourage the location of new industries at Ashland, Roy C. Haines, secretary-manager of the Chamber of Commerce, writes:

"In a three-day campaign which ended April 22, we raised \$600,000 and voted to continue the campaign. Our fund will, in all probability, be well over \$800,000.

"I have just come to the Ashland Chamber of Commerce and during the first 15 days we reorganized our Chamber, set up a new financial system, conducted a Civic Week and raised our industrial guaranty fund of over \$600,000 in actual subscriptions. This has created an era of good feeling in Ashland, so that our town is now going to step out in an earnest endeavor for real development."

School Board Endorses \$385,000 Bond Issue.

McAllen, Texas.—A bond issue of \$385,000 for school buildings in this city has been endorsed by the McAllen school board, after considering a report by Ralph Cameron, architect of San Antonio, engaged to make a survey of school needs here. Funds from the sale of the proposed issue will be used to build a new high school, enlarge the present high school for a junior high school and erect two new ward schools.

The South's Part in American Exports.*

By GEORGE GORDON CRAWFORD, Birmingham, Ala.

[Mr. Crawford is president of the Tennessee Coal, Iron & Railway Co., one of the greatest subsidiaries of the United States Steel Corporation, and is thoroughly conversant with every phase of the South's business life, past and present.—Editor *Manufacturers Record*.]

1. The South has always taken an important part in the export of American products.
2. It exports more than half of the agricultural exports of the United States.
3. It ships through its ports about a third of the total exports of this country.
4. The South contains about a third of the area of the United States. In it live about a third of the people.
5. In wealth the South has only about one-fifth of the wealth of the United States.
6. In view of the statements above, why does the South possess such a proportionately small amount of the wealth of the United States? The answer is given in the next statement.
7. It manufactures only one-sixth of the manufactured products.
8. In 1925 more than 27 per cent of the total exports of the United States were raw and manufactured cotton, of which only about 5 per cent was manufactured and only a fraction of this manufactured in the South.
9. The exports from the South are principally raw materials, because the manufacture of finished products in the South is much too small to supply the domestic requirements of its territory, and, as a consequence, the exports of manufactured products are relatively small in volume and in value.
10. The domestic market of the United States is of such vast extent that of the total exportable goods produced in the United States the percentage exported is comparatively small. No other nation enjoys such a large domestic market, providing as it does a splendid opportunity for mass production. Mass production enables the United States to manufacture many articles cheap enough to export them in competition with other nations which do not have so high a standard of wages and living as labor enjoys in this country. Manufacture for domestic market is, therefore, such a potent factor in permitting articles to be produced cheap enough to export them that it is not feasible to discuss the subject of "The South's Part in American Exports" intelligently without referring to the domestic market and the situation which underlies the South's part in American exports.
11. As a result of the devastating effects of Civil War, the South was barren of capital and credit during the period of industrial growth in other sections of this country, and in other countries, which rapidly followed the invention of the steam engine.
12. Coal, as a source of power for manufacturing, proximity to seaports, the talent of her people for seafaring and trade, made England a powerful factor in the export trade. Though a large importer of raw materials, the profits from the exports of manufactured products, together with the profits of the by-products of these exports, such as shipping, insurance and banking, made England foremost in wealth of nations.
13. During the same period of expansion of industry the Northern states, with capital and credit at their disposal, expanded manufacturing plants to supply the needs of the Northern, Western and Southern states and to take an important part in the export of manufactured articles. The profits from the sale of manufactured articles, and the by-

products of the trade in them accruing to the Northern states from freight rates, insurance and banking, increased their wealth to enormous amounts.

14. During this period the South was, by reason of lack of capital, reduced to the necessity of confining her activity largely to the pursuits of agriculture, lumbering and other primitive activities, yielding large tonnage, large values, but small profits.

15. In 1860 the Southern states owned 39.2 per cent of the wealth of the United States; in 1870, only 14.6 per cent; in 1922, 22.2 per cent. Banking resources of national and state banks in the South increased from less than 4 per cent of the total of the United States in 1900 to over 8 per cent in 1924. While the South is increasing its proportionate share of the wealth of the United States, it has not yet secured the percentage of the wealth of the whole country which it had prior to the Civil War, and is still short of the capital required to take a profitable part in the American export trade.

16. The development of manufacture in the Southern states is gaining impetus each year, but still is far behind a production of manufactured products required for domestic use, much less for export.

17. The preponderance of the exports of raw materials from the South over manufactured products is not a good thing for the South nor for the nation. It has involved the use of energy and capital in transporting over unnecessary distances, to foreign countries and other sections, raw materials produced within the Southern states and the shipment of finished products back to the points from which the raw materials came; the same amount of capital invested in manufacturing in the Southern states as is used in the transportation, insurance and banking, in connection with exports, would go far toward manufacturing these raw materials near Southern points of consumption.

18. The export of a large volume of raw materials from the South actually hinders the growth of manufacturing in the South by exposing it to severe competition. For instance, the freight rates on steel products from England and Belgium to Galveston are \$3.55 per ton; from Birmingham to the same point, by rail, it is \$12.77 per ton. These low rates, which facilitate the importation of foreign steel into the South, are made possible by large exports of raw cotton from the South. The ships, rather than come in ballast, make low freight rates on manufactured products from European to Southern ports. This situation does not encourage the growth of manufacturing in the South.

19. Are the conditions in the South favorable for the growth of manufacture, so that it can hope to substitute exports of manufactured products for exports of raw materials? Yes. They are as follows:

Proximity to raw materials.
Proximity to markets, both domestic and export.
Cheap power.
Good labor supply.
Healthy climate.
Low taxes.

20. There are raw material resources of vast extent in coal, iron ore, fluxes, copper, bauxite, sulphur, phosphate, petroleum, forest and agricultural products, etc.

21. Comparative freight rates from typical centers of manufacture in the North and South show that the latter can reach approximately a third of the people of the United

*Address delivered April 30 at the Foreign Trade Council Convention, Charleston, S. C.

States at freight rates equal to or lower than Northern centers. Considering the freight rates on the assemblage of raw materials and the freight rates on the delivery of the finished products manufactured from them to seaports, the South has a very considerable advantage in freight rates for export.

22. The South contains a large area of high plateaus and mountains, with copious rainfall, which makes possible production of hydro-electric power, close to coal seams, which permit the operation of stand-by steam plants during the low-water period from coal located at or near coal mines, with no, or negligible, freight on the coal used for power purposes. This unique situation permits the use of the power produced, both by water and stand-by steam plants, to be distributed over the same distributing system, thus increasing the load factor on the distributing system, the most expensive part of power installation.

23. These elevated plateaus are generally located within a distance of the coastal plains and river valleys, well within the economic range of distribution of power, so that this cheaply produced power is, or will be, delivered over a large part of the South.

24. The power can be produced cheaply and distributed cheaply; it can be delivered to the points where the labor supply is good, namely, the villages and small towns, near which a supply of labor exists, engaged principally in agriculture and producing such a large volume of agricultural products that the prices received for the same do not yield to those engaged in agriculture a reasonably good standard of living.

25. The population of the Southern states is approximately 75 per cent white and 25 per cent negroes, both easily trained and efficient in manufacturing when trained. It is found that this population turns eagerly to manufacturing when afforded the opportunity, in order to procure a higher standard of living than has hitherto been possible in agricultural pursuits. If manufacturing becomes proportionately balanced with agriculture, the profits of agriculture will increase, due to operation of the law of supply and demand. The South is today the greatest, best and cheapest labor market in the United States.

26. In addition to the possession of raw materials, proximity to markets, cheap power and good labor conditions, the fifth favorable factor for manufacture in the South is a pleasant and healthy climate. The greatest mortality from disease in the South has been from malaria, and this has been demonstrated to be a controllable disease, not only on the Panama Canal but in sections of the South where malaria has been prevalent. One large industrial company, by drainage and mosquito control, reduced malarial fever cases in an industrial population of something near 100,000 from 4840 cases of malaria per annum to 14 cases per annum at a comparatively small cost. The greatest mortality in Northern states has been from pulmonary diseases, largely pneumonia and tuberculosis, which are not easily controllable, and then only at great expense.

27. The Southern climate is a good all-the-year-round climate and favorable for manufacturing, as is being demonstrated. The cost of rentals, fuels and clothing is less than in colder climates.

28. The taxes in the Southern states are generally low.

29. That the six important advantages which have been enumerated above—raw materials, proximity to markets, cheap power well distributed, labor, climate and low taxes—are having practical effect is reflected statistically in two reliable ways—

First—By the consumption and manufacture of local raw materials.

Second—By the growth of power consumption.

30. In 1900 the consumption of cotton by Southern mills

was approximately 1,600,000 bales. Twenty years later the consumption of cotton by the Southern mills was about 3,750,000 bales, or 233 per cent of the 1900 rate. Five years later, in 1925, the Southern mills took nearly 4,500,000 bales, more than twice the amount taken by cotton mills in the United States, outside of the South, and 37.1 per cent of the average annual American cotton crop for the last five years, and 280 per cent of the amount of cotton manufactured by Southern mills in 1900.

31. There seems little doubt that increase in the construction of new cotton mills in the South will continue in view of the many advantages.

32. In the state of Alabama, the leading Southern state in the manufacture of steel products, the production of steel in 1924 was 243 per cent of the amount made in 1914. During this 10-year period the Tennessee Coal, Iron & Railroad Co., the largest producer of steel products in the state of Alabama, exported 1,659,257 net tons of these products.

33. A tremendous growth in the production and distribution of electric power has occurred. The total electric energy supplied by public-utility plants in five Southern states in 1925 was approximately 2470 per cent of the amount supplied in 1912.

34. It is estimated that in another ten years the electrical needs of Alabama alone will be 5800 per cent of the amount supplied in 1912.

35. The export trade is of inestimable value to a new industry in supplementing the domestic market in providing a good load factor, so as to keep costs down through mass production. No matter how large the general market may be for a product, for illustration, say steel, the infinite variety of sizes in which steel is required restricts a new industry, during the early period of its growth, to the marketing of only such sizes as it has mills to roll, and the domestic market may not furnish a volume of business large enough to keep the mills rolling these particular sizes busy. Then the export trade is appreciated. A large steel manufacturing company in the South, which has for years been constantly increasing the variety of its products, has found it desirable to export steel products to the extent of \$6,750,000 annually for the last five years in order to secure a better load factor on its mills so as to keep costs down through mass production.

36. The 1925 export cargo tonnage of the Southern states was 28.6 per cent greater than the 1924 export total, and this advance was participated in by every one of those states. This showing is noteworthy in view of the fact that while these Southern states increased their foreign traffic 3,700,000 long tons, an advance of 14 per cent over their 1924 activities, the combined foreign traffic of all other states engaged in that trade declined 2,450,000 long tons, nearly 4 per cent.

37. In order for the South to take the part in the American export trade which its resources justify, it needs only a reasonable share of the capital which has hitherto been attracted to other sections. The Southern people have it in their power to increase or to retard the rate of flow of the stream of capital which is now setting strongly in their direction. Continuance of the present tendency to welcome capital and to treat it fairly will bring capital in ever-increasing volume.

Greensboro Sells \$1,500,000 of Bonds.

Greensboro, N. C.—Improvement bonds in the amount of \$1,500,000 have been sold by the city of Greensboro, E. G. Sherrill, city clerk, to the Atlantic Bank & Trust Co. of Greensboro at \$1,501,050. The following issues and amounts were included: \$400,000 for municipal building, \$200,000 for market, \$100,000 for sanitary sewers, \$500,000 for street improvement and \$300,000 for storm sewers.

Stabilization of Cotton Textile Industry to Be Keynote of Cotton Manufacturers Convention in Atlanta.

The keynote of the Atlanta meeting of the American Cotton Manufacturers Association, to be held in Atlanta May 18 and 19, at the Biltmore Hotel, will be "The Stabilization of the Cotton Textile Industry." A review and analysis of vital contributing factors in stabilization, including better merchandising methods, textile trade information, statistics, research, production and consumption, etc., and the formulation of plans whereby the industry may be placed on a profitable basis, will be among the main topics discussed.

Heavy reservations at the Hotel Biltmore indicate that the Atlanta Convention of the American Cotton Manufacturers Association will be largely attended. All of the railroads have authorized reduced rates of one and a half fares for the round trip on the identification plan. The Atlanta Committee, of which George S. Harris is chairman, is preparing a number of attractive entertainment features not only for the members, but for ladies attending the convention. The various clubs in and about the city, including the Capital City, Atlanta Athletic and Druid Hills, have invited members and their guests to avail themselves of the privileges of their respective facilities. The annual dinner, which will be given in the banquet hall of the Atlanta-Biltmore Hotel on the opening evening of the meeting, will be one of outstanding interest.

Reservations may be made by writing direct to the Association headquarters at Charlotte, N. C., W. D. Adams, secretary.

PROGRAM THIRTIETH ANNUAL CONVENTION The American Cotton Manufacturers Association.

May 18-19, 1926.

Atlanta Biltmore, Atlanta, Ga.

First session Tuesday, May 18, 10 A. M.—Convention called to order by President W. J. Vereen; invocation, Rev. Dr. B. R. Lacy, Jr., pastor Central Presbyterian Church; address of welcome, Hon. Clifford Walker, Governor, state of Georgia; response, Cason J. Callaway, La Grange, Ga.; announcement of committees, (a) nominations, (b) resolutions; president's annual address, W. J. Vereen of Moultrie, Ga.; address, United States Senator Walter F. George, Washington, D. C.

Second session, Tuesday, May 18, 3 P. M.—Address, "Service Through Industry," Dr. Gus W. Dyer, Vanderbilt University, Nashville, Tenn.; thematic discussion, "Statistics in the Cotton Textile Industry," (a) President W. J. Vereen; (b) John E. Rousmaniere, New York; (c) George S. Harris, Atlanta; (d) J. P. Gossett, Williamson, S. C., and others.

Third session, Tuesday, May 18, 7 P. M.—Annual banquet; toastmaster, President W. J. Vereen; address, Hon. Edwin T. Meredith, Des Moines, Iowa, former Secretary of Agriculture, editor *Successful Farming*; address, Dr. Howard Rondthaler, president, Salem College, Winston-Salem, N. C.

Fourth session, Wednesday, May 19, 10 A. M.—Business meeting; annual report of the secretary and treasurer, Winston D. Adams, Charlotte, N. C.; annual report on the National Council of American Cotton Manufacturers, Stuart W. Cramer, joint president; "Research and the Southern Textile Association," F. Gordon Cobb, Lancaster, S. C.; reports of committees, (a) National Committee, Stuart W. Cramer, chairman; (b) Traffic Committee, Capt. Ellison A. Smyth, Flat Rock, N. C., chairman; George W. Forrester, Atlanta, Ga., traffic manager; (c) resolutions; (d) nominations; election of officers; presentation of president's medal, Thomas H. Rennie, Pell City, Ala.; unfinished business; new business; adjournment.

President Vereen has appointed the following committees to serve in connection with the approaching convention:

Entertainment: George S. Harris, Atlanta, chairman.
Resolutions: J. H. Separk, North Carolina, chairman; Alex Long, South Carolina; H. L. Williams, Georgia.

Nominations: William D. Anderson, Georgia, chairman; H. B. Jennings, South Carolina, and S. P. Cooper, North Carolina.

New England Convention Committee: Philip C. Wentworth, chairman, Providence, R. I.; E. Kent Swift, B. H. B. Draper, Robert Amory, Morgan Butler, Russell H. Leonard, Herbert G. Beede, Harry L. Bailey.

New York Convention Committee: R. F. Rowe, chairman; Ridley Watts, T. Holt Haywood, S. F. Dribben, J. P. Stevens, J. E. Rousmaniere, Wm. H. Baldwin, William McKinley, Spencer Turner, Thomas Hale, George Fraker, P. S. Newell, William Vermilye and W. E. Winchester.

Philadelphia Convention Committee: Phil S. Steel, chairman; Andrew S. Webb, Fred Rakestraw, T. Ashby Blythe, S. M. D. Clapper, Harry Butterworth, John Mitchell, J. H. Daingerfield and L. P. Miller.

Chemical Equipment Exposition and Technical Sessions.

The second Chemical Equipment and Process Engineering Exposition will be held at the Public Hall in Cleveland, Ohio, from May 10 to 15, inclusive. It is managed by the Association of Chemical Equipment Manufacturers, a national trade association, with main offices at 1328 Broadway, New York, and it is thought that from 2500 to 3000 industrial executives, operating and technical men will attend, in addition to other interested visitors.

At the same time there will be a week's program of technical sessions sponsored by the Associated Technical Societies of Cleveland, which is composed, with other units, of sections, chapters and groups of nearly a dozen societies. A number of prominent speakers will address these sessions. Maj. Gen. A. A. Fries, Chief, Chemical Warfare Service, U. S. A., and Newton D. Baker, former Secretary of War, will be among the speakers at a banquet of the Associated Technical Societies on May 11, at which visitors to the Exposition are also invited.

Merger of Kansas and Missouri Flour Mill Properties.

A certificate of incorporation of the Flour Mills of America, Inc., has been filed with the Maryland State Tax Commissioner at Baltimore, incorporation papers calling for an issue of 80,000 shares of preferred stock and 525,000 shares of common stock of no par value. The following incorporators are named: John E. C. Haslam, M. Scovell Martin and Robert M. Johnson, all of New York city.

According to a statement by Thad L. Hoffman, president, the Flour Mills of America, Inc., will merge properties of the Kansas Flour Mills Co., owning the Cereals Co., and the Valier & Spies Milling Co. of St. Louis, embracing 15 mills in Kansas, Missouri, Oklahoma, Illinois, Minnesota and Wisconsin. The new corporation, it is said, will have a milling capacity of 25,000 barrels of flour daily, with a grain storage capacity of approximately 6,680,000 bushels.

Head offices of the company will be maintained in Kansas City, and Charles Valier of St. Louis, will serve as vice-president. Fred Morrow of Toronto and L. M. Gardiner of New York, are among the directors.

Steamship Service to Florida and Cuba.

The American & Cuban Steamship Line, Inc., New York city, now maintains a regular service to Miami, with sailings every 10 days, the vessels discharging at Municipal Dock No. 3. To Cuban ports sailings are as follows: Havana, every Wednesday; Matanzas, Cardenas, Caibarien and Sagua La Grande, bi-weekly.

The company owns and operates its own terminal at Havana under the management of the American & Cuban Terminal Company, Inc., Matthew V. Molamphy, general manager. The terminal is situated at Atares Wharves, and is fully equipped with cranes, tractors and other modern appliances to facilitate handling cargo.

The vessels operating in both the Cuban and Miami trades are of the 4050 deadweight type, oil burners.

Enid Votes \$307,500 of Bonds.

Enid, Okla.—Voters of this city have endorsed by a large majority three bond proposals totaling \$307,500 for municipal improvements. Included in the aggregate is an issue of \$215,000 for the extension of the water system, \$75,000 for the erection of a community fair building and \$17,500 for sewer extensions.

Industry and the Citizens' Military Training Camps.

By JOHN E. EDGERTON, President, National Association of Manufacturers.

Do the Citizens' Military Training Camps benefit industry?

That is the question often asked by manufacturers when they are invited to allow a few qualified employes to attend the camps. And the answer is voiced by the heads of leading businesses throughout the country. That answer is emphatically "Yes!"

At first the corporations were actuated by patriotic motives in permitting certain of their employes to take an unusually long vacation, with full pay, to attend the camps. But it quickly developed into a profitable undertaking. The employes returned to their desks and benches with renewed ambition and increased efficiency as a result of the careful training they had received. Observing the great change, the manufacturers began to realize that the Citizens' Military Training Camps had awakened in the minds of its students a spirit of loyalty and teamwork that had hitherto lain dormant.

The Westinghouse Electric & Manufacturing Co., the United States Steel Corporation, the Phelps Dodge Mercantile Company and the Standard Oil Company of New Jersey have readily endorsed the Citizens' Military Training Camps, as have several hundred other large commercial concerns throughout the country. The list is strikingly varied, including as it does manufacturers of all kinds of products, banks and trust companies, department stores, railroads, and telegraph and cable companies. One and all they have pledged to the War Department their wholehearted support and active co-operation in the furtherance of the National Defense Act, realizing that the summer camps benefit industry quite as much as they do our defense projects.

Since the establishment of the Citizens' Military Training Camps in 1921 more than 120,000 young men between the ages of 17 and 24 have spent 30 days in the open under the most competent instructors in the Army. These young men came from all parts of the United States and from all walks of life; college and high-school students, tradesmen, office employes, railroaders and various professional men.

Naturally enough, thrown together on a common basis of equality, under expert physical direction, military training and instruction in citizenship, patriotism and Americanism, the Citizens' Military Training Camps students obtain a far better understanding of human nature, its possibilities and its limitations, than they ordinarily would in their everyday lives. The training they receive in discipline, obedience, self-reliance, co-operation and courtesy is an invaluable aid to whatever line of business they may engage.

A word about the camps themselves.

First, they are open to all young men from 17 to 24 years of age, of good moral character, intelligent, and in good physical condition. Applicants must be citizens of the United States or have made application for first naturalization papers.

Everything is free to the accepted students—railroad fare to and from the camps, their uniforms, rifles, bedding, food and athletic equipment and medical attention. It is planned to train 35,000 youths this year, and from the experience gained in conducting the camps during the five years they have been in existence the War Department is initiating numerous improvements designed to make the training and recreation programs more attractive, if possible, than hitherto.

There are four courses of instruction. The first, or basic course, provides preliminary training, including physical development, military drill, athletics and rifle marksmanship,

a knowledge of which is necessary to lay a foundation for the advanced training of subsequent years.

The Red, White and Blue courses, respectively, afford the student an opportunity to specialize in the various arms of the service. Every applicant is permitted to select the arm in which he is to be trained. Some choose the Cavalry and learn to ride horses. Others decide on the Signal Corps, and learn a great deal about radio, telegraphy, telephony and various other methods of communication used not only in the Army but in civilian life as well. Still other students select the Artillery, Engineers or Infantry according to their individual preferences.

Upon satisfactory completion of the Blue or final course the student is eligible to take an examination for appointment as a second lieutenant in the Officers' Reserve Corps.

Physical training is greatly stressed at the camps. Every agency that tends to build up the bodies of the young men is brought into play. Athletics occupy a large part of the afternoon. There is opportunity for the student to play baseball, football, tennis and the many other games, and to prepare for the big athletic meet toward the close of the camp. Those who cannot swim have a chance to learn under competent instructors; while in sections of the country where hunting, fishing and kindred sports are available, parties are sometimes organized in the evenings and over week-ends to enable those who wish to enjoy them.

The food is clean, wholesome and carefully prepared. There is plenty of milk, ice cream and fruit to round out every meal. The Government allows considerably more than twice as much per day for each student to cover the cost of food as it does for a soldier of the Regular Army; it being fully realized that young men in this stage of bodily development require a more carefully chosen and well-balanced diet than do older men.

The average gain in weight of the 34,082 youths who attended the camps last year was six pounds. Many put on as much as thirty pounds, and at one camp in the South a special company of students who ordinarily would have been rejected for physical unfitness showed astounding improvement at the end of the first three weeks. The average gain in weight of these men, under careful attention, was 13 pounds. Round shoulders were straightened, lungs expanded and muscles developed. At the end of the camp this company won a prize for having made the third best score.

All considered, the Citizens' Military Training Camps are doing wonders for the youth of the nation and, by so doing, for the various industries from which many of these young men come. It is incontestable that a physically fit, mentally alert employe is far more efficient than one who is tired out and lacking in ambition. And that, in itself, explains why so many manufacturers heartily endorse the Citizens' Military Training Camps movement, and send, each year, as many of their young men as can be spared.

\$550,000 for Brevard County Schools.

Titusville, Fla.—Bids will be received until May 13 by the Brevard County Board of Public Instruction for the purchase of three bond issues aggregating \$550,000. One will be for \$250,000 for special tax school district No. 1 and another for \$200,000 by special school tax district No. 4. The third issue will be for \$100,000 by special tax school district No. 3. Bonds of all the issues will be in denominations of \$1000, bearing an interest rate of 6 per cent. W. F. Allen is chairman of the Board of Public Instruction and Alice Shelbourne is secretary.

Prohibition As Regarded by the Mormon Church.

In sending broadcast to some hundreds of leading people throughout the country, in September last, a letter bearing on the Prohibition question, one was mailed to Heber J. Grant of Salt Lake City, Utah. Mr. Grant is president of what is known as the Mormon Church, or, as the official designation is, the Church of Jesus Christ of Latter-Day Saints.

In a letter to this paper Mr. Grant apologizes for having failed to reply to the letter at the time, and in giving his views on the Prohibition question writes as follows:

"I regret that your letter of September 23 has so long remained unanswered. Since its receipt my stenographer has searched in vain for your letter of September 8, to which you refer in yours of the 23d of September. Personal letters are placed to one side so that I can give prompt attention to the mail that comes to the desk of the First Presidency of the Church. A few weeks ago I installed a dictaphone in my room at the Hotel Utah, and am endeavoring to catch up with all neglected personal correspondence.

"I wish to assure you that I have not in the slightest changed my opinion regarding the wonderful benefits which have accrued to the people of this nation through the enactment of the Prohibition law. The great increase of the sale of milk is one of the benefits, milk being one of the best foods that man can possibly take. The reformation of thousands of men who were drunkards and who lacked the moral force and strength of character to resist drinking liquor when it was for sale in public places is a fact that cannot be questioned.

"As to the observance of the law, permit me to say that to refrain from liquor is fundamental with the Mormon people. We have over one thousand wards and organized branches of the Church from Canada on the north to Mexico on the South. These wards are presided over by a bishop and two counselors, and a ward clerk assists the bishopric. No man is ever chosen to be a bishop, bishop's counselor or ward clerk unless he pledges himself to obey the Word of Wisdom. The Word of Wisdom is a revelation given to Joseph Smith February 27, 1833. I shall enclose with this letter a copy of this revelation. You will see by reading it that not only are members of the Church of Jesus Christ of Latter-Day Saints given to understand that strong drinks are not to be taken internally and are only for the washing of the bodies, but that tobacco also is not good, neither are hot drinks. Hot drinks were interpreted by the Prophet Joseph Smith to mean tea and coffee. We are also instructed to eat meat sparingly.

"In addition to the 4000 men presiding as bishopries, assisted by ward clerks, from Canada to Mexico, we have in our Church over ninety organized Stakes of Zion. Each of these Stakes has a president, two counselors and a Stake clerk. There is also a High Council in each of these Stakes, composed of twelve men, and quite frequently six alternates in large Stakes. All of these men must pledge themselves to abstain from tea, coffee, tobacco and liquor. Therefore, you see we have a very large army of men laboring to teach people to observe the Word of Wisdom by precept and example.

"Members of the Church of Jesus Christ of Latter-Day Saints in full standing are fundamentally Prohibitionists. Men failing to observe the Word of Wisdom occupying important positions are requested to step aside, and others are installed in their places.

"I was a great admirer of the late William Jennings Bryan. I did not always agree with his political ideas. Notwithstanding the benefits that would have accrued to Utah by the free coinage of silver, I vote against it, casting my vote for McKinley and Roosevelt at the time that Bryan was running for the Presidency. But I admired Bryan's serving grape juice, although ridiculed, when he was Secretary of State. I admired his fearless defense of that which he considered right, his unwavering belief in God the Creator of the heavens and the earth, and that Jesus Christ was in very deed the Redeemer of the world. Believing that you would enjoy reading (if you have not already done so) his splendid address, 'The Prince of Peace,' I am giving myself the pleasure of sending you a copy under separate cover. I am also sending you a Brief History of the Church, and a book containing 104 articles that were originally printed in newspapers in different parts of the country once a week for a period of two years. These articles were written by Dr. James E. Talmage, one of the apostles of our Church and a fellow of the Royal Society of Edinburgh. He is at the present time presiding over the European Mission of our Church and is a graduate

from Johns Hopkins University, and was the president of the University of Utah before he was made one of the Apostles of the Church. A publishing house in Boston asked permission to publish these articles in book form. We gladly granted this permission without royalty, and when they failed to sell the books we purchased them, and we are distributing them, and thus saved the publishers from loss.

"Wishing you success in your labors in fighting for the support of the Prohibition laws, I am, etc."

A Texas Banker's View of the Prohibition Discussion.

Temple Trust Company.

Temple, Texas, April 20.

Editor Manufacturers Record:

For a long time past I have observed with very great interest and appreciation the uncompromising stand which you have taken in favor of Prohibition. It has been a source of great pleasure to me to read your paper, especially your articles on Prohibition and other moral issues.

I have for many years been allied with the Prohibition forces, my first vote having been cast in August, 1887, for a proposed Prohibition amendment to our state Constitution.

Three times in recent years I have been county chairman of the Prohibition forces in this county, and have otherwise been actively engaged in the Prohibition fight for many years.

It is heartening to those who believe in the righteousness of Prohibition to see great journals espousing the cause.

This expression of appreciation has been due you for a long time, and I trust you will pardon my tardiness in communicating it to you.

W. S. ROWLAND, Secretary-Treasurer.

Prosperity of Oregon Created by Prohibition.

W. S. U'ren,
Attorney at Law.

Portland, Ore., April 9.

Chairman, Senate Judiciary Committee,
United States Senate.

Four years ago a man well and favorably known sought the Republican nomination for Representative in Congress from the Third district of Oregon on a moist platform. He received barely more than one vote in 20 in a total vote of about 42,000. Multnomah county, including the seaport city of Portland, is the Third district, with a population of about 350,000. There is no reason to believe that the Prohibition laws are less popular in Oregon now than in 1922, and they are enforced as effectively as other laws against organized and capitalized vice ever have been.

The Volstead and Oregon Prohibition laws are certainly one of the chief factors in promoting and continuing the prosperity of Oregon. Tramps and bums were never so few in times of peace in this state as they are now.

At the nominating election in May the Republicans in Oregon will express their opinion of the modifiers' and nullifiers' demands by the vote they give the wet candidates for the Republican nominations for Senator and Representative in Congress, and the Democrats will do the same by the vote they give the wet aspirant for the nomination of Governor. Only registered Republicans and Democrats can vote at the nominating election.

W. S. U'REN.

Contract for Cherokee County Courthouse.

Murphy, N. C.—General contract has been awarded to James Fanning, Inc., Greensboro, at \$229,100, for the erection of the new Cherokee county courthouse here. The building will be fireproof, 150 by 75 feet, two stories, of concrete, steel, brick and marble, with concrete foundation and floors and composition roof. James J. Baldwin of Asheville is the architect.

Record Power Production of Public Utility Power Plants in 1925.

The electrical power production of public utility power plants last year amounted to 65,870,306,000 kilowatt hours, according to a compilation by the Division of Power Resources of the Geological Survey. This record power output is greater by 11.6 per cent than the 59,013,590,000 kilowatt hours of electrical energy produced in 1924. With the exception of the depression of 1921, the output of public utility power plants has shown a steady annual increase. As illustrating the tremendous growth in public utility power service in recent years, last year 22,315,000,000 kilowatt hours, or 51 per cent, more electrical power was generated by public utility power plants than similar plants produced during the boom period of 1919-1920.

Of the total electrical power of public utility plants last year 22,355,917,000 kilowatt hours, or 33.9 per cent, were the

output of water power stations and 43,514,389,000 kilowatt hours, or 66.1 per cent, were produced by fuel power which required the consumption of approximately 40,000,000 tons of coal, 17,000,000 barrels of 42 gallon capacity of fuel oil and 50,000,000,000 cubic feet of gas.

In 1925 the public utility power plants of the South produced 7,035,472,000 kilowatt hours of electrical energy, 1,714,878,000 kilowatt hours of which were generated by water power and 5,320,594,000 kilowatt hours by fuel power.

The total developed capacity of water power in the South in 1925 was 2,034,249 horse power, or 20 per cent of the country's total. The capacity of public utility power plants in the South in 1925 was 1,778,936 horse power, or 21 per cent of the country's total. In the last several years the South has shown a relatively greater increase in developed water power than any other section of the country.

PRODUCTION OF ELECTRIC POWER BY PUBLIC-UTILITY POWER PLANTS IN 1925.*
(Compiled by Division of Power Resources.)

Division and State	Total power		Water power		Fuel power		Per cent of U. S. fuel power	
	Kilowatt hours	Per cent of U. S. total	Kilowatt hours	Per cent of total power	Per cent of U. S. water power	Kilowatt hours	Per cent of total power	
New England.....	4,823,655,000	7.32	1,637,835,000	34.0	7.32	3,185,820,000	66.0	7.32
Maine.....	509,231,000	.77	486,491,000	95.5	2.18	22,740,000	4.5	.05
New Hampshire.....	263,683,000	.40	222,872,000	84.5	1.00	40,811,000	15.5	.09
Vermont.....	257,974,000	.39	251,568,000	97.5	1.12	6,406,000	2.5	.01
Massachusetts.....	2,377,649,000	3.61	512,130,000	21.5	2.29	1,865,519,000	78.5	4.29
Rhode Island.....	408,208,000	.62	5,034,000	1.2	.02	403,174,000	98.8	.93
Connecticut.....	1,006,910,000	1.53	159,740,000	15.9	.71	847,170,000	84.1	1.95
Middle Atlantic.....	18,298,853,000	27.78	5,178,861,000	28.3	23.17	13,119,992,000	71.7	30.15
New York.....	10,266,700,000	15.58	4,484,970,000	43.7	20.06	5,781,730,000	56.3	13.29
New Jersey.....	1,506,155,000	2.29	2,154,000	.1	.01	1,504,001,000	99.9	3.46
Pennsylvania.....	6,525,998,000	9.91	691,737,000	10.6	3.09	5,834,261,000	89.4	13.41
East North Central.....	15,714,972,000	23.86	1,623,098,000	10.3	7.26	14,091,874,000	89.7	32.39
Ohio.....	4,387,499,000	6.66	31,998,000	.7	.14	4,353,501,000	99.3	10.01
Indiana.....	1,484,472,000	2.26	66,865,000	4.5	.30	1,417,607,000	95.5	3.26
Illinois.....	5,269,477,000	8.00	198,456,000	3.8	.89	5,071,021,000	96.2	11.65
Michigan.....	3,031,273,000	4.60	709,595,000	23.4	3.17	2,321,678,000	76.6	5.34
Wisconsin.....	1,542,251,000	2.34	616,184,000	40.0	2.76	926,067,000	60.0	2.13
West North Central.....	4,253,656,000	6.46	1,317,721,000	31.0	5.80	2,935,935,000	69.0	6.75
Minnesota.....	1,045,684,000	1.59	534,943,000	51.2	2.39	510,741,000	48.8	1.17
Iowa.....	1,195,315,000	1.82	671,399,000	56.2	3.00	523,916,000	43.8	1.20
Missouri.....	865,802,000	1.31	47,803,000	5.5	.21	817,999,000	94.5	1.88
North Dakota.....	39,050,000	.06	.....	.....	.....	39,050,000	100.0	.09
South Dakota.....	74,875,000	.11	10,788,000	14.3	.05	64,087,000	85.7	.15
Nebraska.....	366,266,000	.56	29,100,000	7.9	.13	337,166,000	92.1	.78
Kansas.....	666,664,000	1.01	23,688,000	3.6	.11	642,976,000	96.4	1.48
South Atlantic.....	6,271,770,000	9.52	1,667,075,000	26.6	7.46	4,604,695,000	73.4	10.58
Delaware.....	102,100,000	.12	.....	.....	.....	102,100,000	100.0	.23
Maryland.....	572,651,000	.87	13,380,000	2.3	.06	559,271,000	97.7	1.28
District of Columbia.....	349,803,000	.53	.....	.....	.....	349,803,000	100.0	.80
Virginia.....	801,568,000	1.22	168,684,000	21.0	.76	632,884,000	79.0	1.45
West Virginia.....	1,642,894,000	2.49	24,187,000	1.5	.11	1,618,707,000	98.5	3.72
North Carolina.....	942,294,000	1.43	331,156,000	40.4	1.70	561,138,000	59.6	1.29
South Carolina.....	881,536,000	1.34	580,702,000	65.9	2.60	300,834,000	34.1	.71
Georgia.....	660,790,000	1.00	488,147,000	73.9	2.18	172,643,000	26.1	.40
Florida.....	318,134,000	.48	10,819,000	3.4	.05	307,315,000	96.6	.71
East South Central.....	2,609,746,000	3.96	1,024,437,000	39.3	4.58	1,585,309,000	60.7	3.64
Kentucky.....	474,745,000	.72	6,281,000	1.3	.03	468,464,000	98.7	1.08
Tennessee.....	874,973,000	1.33	457,994,000	52.3	2.05	416,979,000	47.7	.96
Alabama.....	1,169,101,000	1.77	560,162,000	48.0	2.51	608,939,000	52.0	1.40
Mississippi.....	90,927,000	.14	.....	.....	.....	90,927,000	100.0	.21
West South Central.....	2,201,833,000	3.34	30,491,000	1.4	.14	2,171,342,000	98.6	4.99
Arkansas.....	189,070,000	.29	22,470,000	11.9	.10	166,600,000	88.1	.38
Louisiana.....	350,322,000	.53	.....	.....	.....	350,322,000	100.0	.81
Oklahoma.....	394,383,000	.60	2,320,000	.6	.01	392,063,000	99.4	.90
Texas.....	1,268,058,000	1.92	5,701,000	.4	.03	1,262,357,000	99.6	2.90
Mountain.....	3,127,142,000	4.75	2,605,574,000	83.3	11.66	521,568,000	16.7	1.20
Montana.....	1,262,629,000	1.92	1,253,899,000	99.3	5.61	8,730,000	0.7	.02
Idaho.....	754,079,000	1.15	751,786,000	99.7	3.36	2,293,000	.3	.01
Wyoming.....	55,544,000	.08	6,109,000	11.0	.03	49,435,000	89.0	.11
Colorado.....	522,892,000	.79	196,564,000	37.6	.88	326,328,000	62.4	.75
New Mexico.....	21,787,000	.03	823,000	3.8	.....	20,959,000	96.2	.05
Arizona.....	130,541,000	.20	90,585,000	69.2	.41	39,956,000	30.8	.09
Utah.....	339,967,000	.52	266,895,000	78.5	1.19	73,072,000	21.5	.17
Nevada.....	39,703,000	.06	38,908,000	98.0	.17	795,000	2.0	.....
Pacific.....	8,568,679,000	13.01	7,270,825,000	84.9	32.52	1,297,854,000	15.1	2.98
Washington.....	1,623,007,000	2.46	1,534,840,000	94.6	6.86	88,167,000	5.4	.20
Oregon.....	729,859,000	1.11	563,219,000	77.2	2.52	166,640,000	22.8	.38
California.....	6,215,813,000	9.44	5,172,766,000	83.2	23.14	1,043,047,000	16.8	2.40
United States.....	65,870,306,000	100.00	22,355,917,000	33.9	100.00	43,514,389,000	66.1	100.00

*Central stations, electric railway plants and other plants generating electricity for public use.

The Progress of a Great State.

Extracts From a Monthly Circular Issued by the Giant Portland Cement Co. of Philadelphia.

Speak of the progress and wealth of our various states, and the mind of the average individual turns first to New York. Then he remembers that Massachusetts is up and doing, and that Connecticut is a hive of industry. Perhaps he will jump from New York to Pennsylvania, with her great industries, and next think of Illinois, Ohio and the booming Pacific Coast states. And in doing this he will have overlooked a state whose progress in the past 20 years has been that of a leader—something truly phenomenal. This is the old state of North Carolina. Doubtless, many people think of North Carolina as among our smaller states, whereas her square miles outnumber those of New York by more than a thousand, while they exceed the area of Pennsylvania by nearly 4000 square miles. Inquiry concerning the progress and present status of North Carolina means a succession of surprises which lead to the conviction that she is about the most progressive state in the Union. For example, it was said in 1924 that North Carolina was paying more Federal taxes than any other state in the Union except New York and Pennsylvania. With a little less than 3,000,000 population, North Carolina, in the payment of Federal taxes, surpassed Illinois, with approximately 7,000,000 population.

North Carolina has multiplied her total wealth by 10 in the last 20 years. The value of school buildings and grounds jumped from \$1,000,000 to \$48,000,000 in the same period of time, with many millions now spent for their maintenance. She has spent for fine roads over \$100,000,000—but that is a story in itself, reserved for a future issue of Giant Cement News. The state is about on a par with Massachusetts in the weaving of textiles, and in the manufacture of furniture is giving Michigan a hard run.

The manufacture of furniture has become a great industry in the South, with its center in North Carolina. Following her in the order named are Tennessee, Virginia and Georgia. Concerning the progress of this industry, statistics prepared by J. T. Ryan, secretary and treasurer of the Southern Furniture Manufacturers Association, show that from 1921 to 1923 the furniture industry of the entire country increased 85 per cent, while the increase in the South was a fraction over 157 per cent.

The beginning of this great North Carolina furniture business is the old story of most American industries—the sudden awakening of an individual to the potential value of something close at hand. In this case there was co-operation on the part of several individuals, young men who believed that the abundance and cheapness of the hardwoods of North Carolina would make the manufacture of furniture a profitable enterprise. This was thirty-five years ago. The founders of the industry established their first plant at High Point, in Guilford county. The venture was successful, but involved the training of local labor, which was plentiful but unskilled. Additional plants were soon established at High Point and others at Mebane, Charlotte and elsewhere.

In 1910 there were 83 furniture factories in North Carolina, with an annual output valued at \$11,232,000. In 1922 factories had increased to 107, with an annual output valued at over \$30,000,000. Here was an industry that in the beginning found its raw material at the very door of the factory. Today it draws supplies from the most distant parts of the world. Mahogany is obtained from Africa, cane and rattan from Singapore and the Philippines; varnish gums and certain finishing materials come from the Orient, and burlap from India; mosses come from Florida and Canada, tow for upholstery from the Northwest, hardware from

New England, and plate glass from Pittsburgh. The Mississippi Valley furnishes hardwoods. Thus it has come about that many communities in different parts of the world have profited by the enterprise of the young men who built the pioneer furniture factory at High Point.

The market for Southern-made furniture includes Cuba, Canada and Mexico. Domestic distribution is nationwide, the East and West being large consumers. The successful development of the industry is credited to the progressive ideas of the men who have governed its policy. As stated by Mr. Ryan, speaking for the entire Southern furniture industry, "an intensive study of manufacturing processes, accompanied by a vast amount of research work, a study of designing, a careful gauging of public taste and the quantity production of goods through native-born white labor at low cost, have been contributing factors to the continued growth of the industry."

Finally, came the crowning achievement in the history of the Southern furniture industry. It was the construction of the fine building shown on another page. This is the Southern Furniture Exposition Building, Inc. It is at High Point, the cradle of the industry. At the time of its erection it was the largest single furniture exposition building in the world. The Southern manufacturers had been under a serious handicap for years. The marketing of their products had required representation at the semi-annual furniture exhibitions held in New York, Chicago and Grand Rapids. Since the High Point building was erected more than 1500 buyers from all parts of the United States and some from Canada have attended the January and July exhibitions held there. These special occasions, however, represent only a part of the business, as furniture is on exhibition throughout the entire year, which dealers find a great convenience.

Details of Cotton Compress and Warehouse at Mobile.

Further details relative to the erection of the proposed cotton compress and warehouse at Mobile by the Alabama State Docks Commission of that city, in connection with the state's \$10,000,000 harbor improvement program, have been supplied the MANUFACTURERS RECORD by Gen. William L. Sibert, chairman and chief engineer of the commission. The warehouse will be of reinforced concrete, with a corrugated galvanized iron roof supported on steel trusses, foundations to rest on wood piles cut off at permanent water level. Floors will be divided into compartments, each to provide space for not more than 5000 bales. A sprinkler system will be installed.

Depressed tracks will be built immediately back of the warehouse and a transit shed will later be erected in front of it. This shed will be located on the wharf, so that rail and ship connections will be provided.

Contract for foundations, floors and walls of the building has been awarded to the W. Horace Williams Co. of New Orleans; structural steel and roof to the Decatur Cornice & Roofing Co., Albany, Ala., and cement to the H. M. Price Hardware Co., Mobile. The Webb Press Co. of Minden, La., has been awarded contract for the compress.

Deerfield to Sell \$350,000 of Bonds.

Deerfield, Fla.—Sealed proposals will be received until May 17 by the Town Council of Deerfield for the purchase of improvement bonds in the amount of \$350,000, bearing an interest rate of 6 per cent. Of the total, \$100,000 will be used for the construction of water-works, \$35,000 for the erection of town hall and jail, \$200,000 for streets and sidewalks and \$15,000 for electric lighting. W. L. Sweat is the town clerk.

Big Tire Fabric Order to Georgia Mills.

RUBBER COMPANIES MAKE CONTRACT WITH GROUP IN THAT STATE—PLANS INVOLVE ERECTION OF 30,000-SPINDLE MILL TO COST \$3,000,000.

Carrying a copyrighted story by O. B. Keeler, the Atlanta Journal publishes details regarding a contract signed by the B. F. Goodrich Rubber Co. of Akron, Ohio; the Fisk Rubber Co. of New York city, and R. E. Hightower, Sr., head of a group of cotton mills in Georgia, under the terms of which the Hightower Mills will undertake to fill an order for \$100,000,000 worth of cord tire fabric. It is stated that this is one of the most important industrial deals ever consummated in Georgia and among the largest cotton transactions ever known. Delivery of the fabric, it is said, will cover a period of 10 years at the rate of \$10,000,000 worth each year, and will involve increased facilities at the Hightower Mills, which include the Thomaston Cotton Mills and Peerless Mills at Thomaston, and the Aldora Mills at Barnesville.

Regarding the construction of a new \$3,000,000 mill at Thomaston to facilitate handling the order, W. H. Hightower, Thomaston, wires the MANUFACTURERS RECORD a confirmation of the report and advises that a new mill will be erected in

the Thomaston territory of approximately 30,000 spindles for the manufacture of tire fabric. It is also reported that the plant of the Thomaston Cotton Mills will be enlarged by the addition of 10,000 spindles. This mill is at present equipped with 75,000 ring spindles, 16,000 twisting spindles and 980 looms for the production of sheetings, ducks, wide drills and tire fabrics. L. W. Robert & Co., Atlanta, will design and supervise construction of the new mill.

Significance is added to the announcement of this huge tire fabric contract and the construction of an additional mill, with improvements to existing facilities, by the recent Southern tour of officials of the Goodrich company. This tour was organized, it is stated, by L. W. Robert, Jr., of Atlanta, and took in a number of Georgia and other Southern mill centers. Bertram G. Work, president and chairman of the board of the Goodrich Company, was at the head of the expedition, which also included F. G. Graham, superintendent of tire production; Lorenzo D. Brown, F. C. Van Cleef, Harry Hough and W. C. Arthur, all of the Goodrich organization.

Shore Acres Development at Wrightsville Beach.

Outlining plans of the Shore Acres Co. of Wilmington, N. C., for a proposed development at Wrightsville Beach, near Wilmington, F. A. Matthes, executive vice-president of the company, in a statement to A. E. Fitkin & Co. of New York, who are handling the sale of \$200,000 of 7 per cent preferred stock of the company, states that it owns about 2000 acres on Harbor Island and adjacent lands along Wrightsville Beach, which the company plans to develop for business, hotel and residential purposes. The property is one continuous tract, except for a narrow strip for a causeway and a right-of-way for an interurban line.

The causeway is being constructed by the Wilmington-Wrightsville Beach Causeway Co. and is expected to be ready for traffic by the first of June. It will connect with Wrightsville Island, on which Wrightsville Beach is located, the latter being connected with the mainland by an interurban railway over a trestle.

Plans of the Shore Acres Company contemplate the preparation and sale each year of approximately 300 lots, the development program to embrace a period of five years. This program, however, will utilize only a small portion of the total acreage of the company. About 300 lots are expected to be available on Harbor Island this summer, after which the development of an island to the south will be started, the two islands to be connected by a series of bridges.

Engineering for the development will be in charge of the General Engineering & Management Corporation of New York, while contract for dredging and filling has been awarded to the Calkins Dredging Co. of Norfolk, Va. A landscape architect has not yet been selected.

Officers of the Shore Acres Co., in addition to Mr. Matthes, include A. E. Fitkin, New York, president; E. Paul Young, vice-president, and T. B. Willard, secretary and treasurer.

To Encourage Agricultural Industry.

Palmetto, Fla.—The encouragement of agriculture in Manatee county will be among the important problems to be undertaken by the Palmetto Chamber of Commerce, according to a published statement by R. S. Campbell, secretary. A survey of lands in the county, it is said, shows them ideal for farming, and out of a total of approximately 500,000 acres, it is estimated that 75,000 acres could yet be farmed.

Figures cited by Mr. Campbell, which were obtained from the railroads, indicate that a total of 8331 carloads of vege-

tables and citrus fruits were shipped from the county during the season of 1923-24, in addition to shipments made by motor trucks. These shipments should be largely increased, it is stated, and it is the plan of the Chamber of Commerce to encourage the production of more vegetables, the planting of more orange, grapefruit and tangerine groves, as well as raising more poultry, small fruits, honey, Irish potatoes, dairy and other products.

\$1,000,000 Addition for Hotel at San Antonio.

San Antonio, Texas.—Plans are being made by Herbert Green of this city for the erection of a \$1,000,000 addition to the Gunter Hotel here for the Gunter Hotel Co., of which T. B. Baker of the Baker Hotels is the head. The proposed addition will be three stories, about 250 by 200 feet, of reinforced concrete, steel and brick veneer, with concrete floors and composition roof. Furnishings and equipment will cost about \$500,000 additional.

Increases Capital Stock to \$75,000,000.

Houston, Texas.—A resolution adopted at a recent adjourned annual meeting of stockholders of the Humble Oil & Refining Co. of this city provides for an increase of the capital stock of the company from \$43,750,000 to \$75,000,000. Provision was also made to set aside 83,333 shares of the new stock, par value \$25, for sale to employees of the company and its subsidiaries, while stockholders were given the right to subscribe for two shares of the new stock for each three shares now owned.

Two Baltimore Developments to Cost \$600,000.

Plans have been announced for two dwelling operations in Baltimore to involve the erection of 173 houses to cost approximately \$600,000 in the aggregate. Joseph F. Moreland plans to erect 88 dwellings at a cost of \$400,000; 48 of these will be located on Biltmore Farms on Taylor avenue west of Harford road. They will be of the five-room shingle bungalow type, of individual design. Mr. Moreland will also build 40 bungalows of from five to seven rooms each on Harford road near Taylor avenue; these will be of Spanish and California types, tile and stucco, and built in groups of ten.

The Frank Novak Realty Co. has filed plans for 85 two-story, brick dwellings at Canton to cost \$200,000.

Elks to Build \$250,000 Home at Knoxville.

Knoxville, Tenn.—Plans are being prepared by Baumann & Baumann of this city for an Elks' home to be erected here by the Benevolent Protective Order of Elks, Lodge No. 160. The building will be five stories, fireproof, of reinforced concrete construction, with concrete foundations, oak floors and composition roof. It will cost about \$250,000, including furnishings and equipment.

Motion Picture to Depict Industrial and Building Development in Chattanooga District.

Chattanooga, Tenn., May 1—[Special.]—The Visagraphic Pictures, Inc., producers and distributors of motion pictures, New York city, had representatives here last week filming comprehensive views of the Chattanooga district for the Tennessee Electric Power Co. It is said that the complete picture will cost about \$15,000. It is planned to show it in schools, before various associations and before industrial conferences in all parts of the country. In addition to photographing the various plants of the Tennessee Electric Power Co., views were made of river and mountain scenes, street scenes and of industrial plants.

\$750,000 Halifax District Hospital.

Plans and specifications are nearing completion for the Halifax District Hospital, to be erected at Daytona Beach, Fla., at a cost of approximately \$750,000, including equipment. The institution will serve a district extending from the north end of Volusia county to the inlet, comprising the municipalities of Daytona Beach, Ormond and Port Orange. It will occupy two blocks in Daytona Gardens, construction having been authorized by a special Act of the legislature, which provided for a bond issue of \$750,000. A special tax will be levied in the district for its maintenance.

The building over all, including four wings, will be 270 by 41 feet, four stories, fireproof, with reinforced concrete frame and slabs, hollow tile walls stuccoed, gypsum block partitions, tile roof, and tile, composition and wood floors. Foundations will be supported by concrete footings on rock. Space in the hospital will be provided for 110 beds.

Wilson, Berryman & Kennedy of Columbia, S. C., with offices at Raleigh, N. C., and Daytona Beach, are the architects, while Stevens & Lee of Boston, Mass., are consulting architects. Construction is being handled by a hospital commission, of which F. J. Niver of Daytona Beach is chairman. Other members include George N. Rogby, Ormond; Don P. Shockey, Henry W. Haynes and Col. Walter Weiser, all of Daytona Beach.

\$1,250,000 Baking Plant Under Construction at Baltimore.

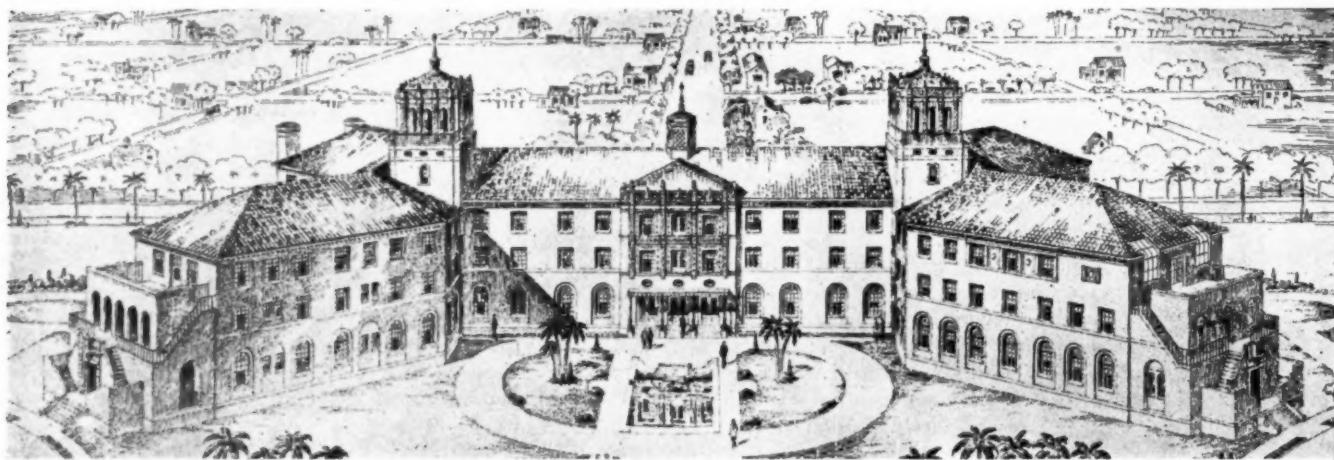
Construction is under way on the big plant of the General Baking Co., Baltimore, estimated to involve the expenditure of \$1,250,000. Work began in October, 1925, and the plant will be ready for operation the latter part of this year. It is a reinforced concrete structure, veneered inside and out with face brick, and equipped with automatic sprinklers. The roof will be insulated with cork. The building will house the newest in apparatus for the manufacture of the company's products, as well as providing space for a stable and garage.

The main building, in which will be the general offices, storage and manufacturing units, is to be three stories high. It fronts for 239 feet on North avenue and runs through one square to Twentieth street where the frontage is 264 feet. The rear portion is but one story high with basement. The first floor of the rear part will be the garage and storage space for horse-drawn vehicles. A ramp connects the first floor with the basement. The shipping platforms are immediately adjacent to the wagon storage space and garage and are in the main building, so all loading will be under cover.

The architectural and engineering work is being handled by C. B. Comstock, engineer and architect, New York City. Charles L. Stockhausen Co., Baltimore, has the general contract. The Lord Electric Co., New York City, is installing the electric wiring. The Rockwood Sprinkler Co., New York City, will install the automatic sprinklers. Refrigeration and heating work is being handled by the Heat & Power Corp., Baltimore.

The sub-contractors engaged, and the work each is doing, is shown in the following: Roofing and sheet metal work, W. A. Fingles, Baltimore; asphalt flooring, Johns-Manville, Inc., New York City; sand and gravel, The Arundel Corp., Baltimore; steel sash, Truscon Steel Co., Youngstown, Ohio; lumber, James Lumber Co., Baltimore; brick work, including tile partitions, etc., Frank Downing, Baltimore; reinforcing steel, Kalman Steel Co., Baltimore; millwork, Heise & Burns Mill & Lumber Co., Baltimore; structural and miscellaneous steel, Dietrich Bros., Baltimore; marble and tile, J. B. Dunn & Sons, Baltimore; 85-foot high radial brick stack, American Chimney Corp., New York City; fuel oil system for heating plant and baking, Simplex Oil Heating Corp., New York City.

Contract for a water-purification plant at Monroe, N. C., has been awarded to W. O. Pratt of Mount Holly, N. C., engineering details being handled by the Carolina Engineering Co. of Charlotte.



HALIFAX DISTRICT HOSPITAL TO BE ERECTED AT DAYTONA BEACH, FLORIDA.

Big Hydro-Electric Project Under Way in Western North Carolina.

Maryville, Tenn., May 1—[Special.]—Construction is under way on the Santeetlah hydro-electric project of the Tallassee Power Co., on the Cheoah and Little Tennessee rivers in western North Carolina. It consists of an arch type, concrete dam with gravity spillway abutments. Its maximum height will be 200 feet and its crest length 800 feet, containing 200,000 cubic yards of concrete masonry.

There will be five tunnels having a total length of four miles, the shortest tunnel being 500 feet and the longest 9175 feet. These tunnels will be concrete lined, horseshoe shape, with an area inside the lining of 100 square feet. There will be no shafts nor adits other than the portals at each section of the tunnel. Connecting the various sections of tunnel and extending from the dam to the surge tank there will be approximately one mile of riveted steel pipe, 11 feet in diameter, the plate thickness varying from $\frac{3}{8}$ inch to $\frac{1}{16}$ inch. The pipe line will be supported on steel and concrete saddles, and will be entirely accessible for inspection and repairs.

At the end of the steel pipe line will be installed a Johnson differential surge tank 32 feet 6 inches in diameter and 160 feet high. From this tank penstocks will extend to the turbine scroll cases. These penstocks will be 875 feet long and vary in diameter from 8 feet at the top to 7 feet at the bottom.

The power house will be a structural steel building on concrete foundations, with brick curtain walls. It will contain two 33,000-horsepower, vertical shaft hydraulic turbines operating at 450 revolutions per minute. Each will be connected to a 25,000-horsepower, 3-phase, 60-cycle, 13,200-volt alternating-current generator, with direct connected exciter.

Outdoor type, water-cooled, single-phase transformers will step the current up from generator to transmission voltage. The energy is transmitted at a potential of 150,000 volts over aluminum cable, steel reinforced, a distance of 32 miles to Alcoa, Tenn.

Contracts have been let as follows: Thomas Connor & Sons, Greensburg, Pa., for driving the tunnels; Walsh's Holyoke Steam Boiler Works, Holyoke, Mass., for supplying the penstocks; The Chicago Bridge & Iron Works, Chicago, Ill., for supplying the surge tank and pipe line; S. Morgan Smith Company, York, Pa., for the hydraulic turbines, and The General Electric Company, Schenectady, N. Y., for the generators, transformers and switches.

James W. Rickey, Pittsburgh, Pa., is the chief hydraulic engineer; T. J. Bostwick, Pittsburgh, is the chief electrical engineer, and I. G. Calderwood, Calderwood, Tenn., is resident engineer, representing the Tallassee Power Co.

The Tallassee Power Co. is controlled by the Aluminum Company of America, which has plants at Maryville and Alcoa, Tenn., and Badin, N. C.

\$2,500,000 Hospital for Mississippi Insane.

Discussing details for the erection and equipment of a new Mississippi hospital for the insane, for which the Legislature has appropriated \$2,500,000, Dr. C. D. Mitchell, superintendent of the state insane hospital at Fondron, Miss., writes the MANUFACTURERS RECORD as follows: "While we have not selected an architect, this hospital is to take care of 2000 patients, one-half of which will be white and the other half colored, and will therefore be two distinct institutions around one power house, to care for the two races separately.

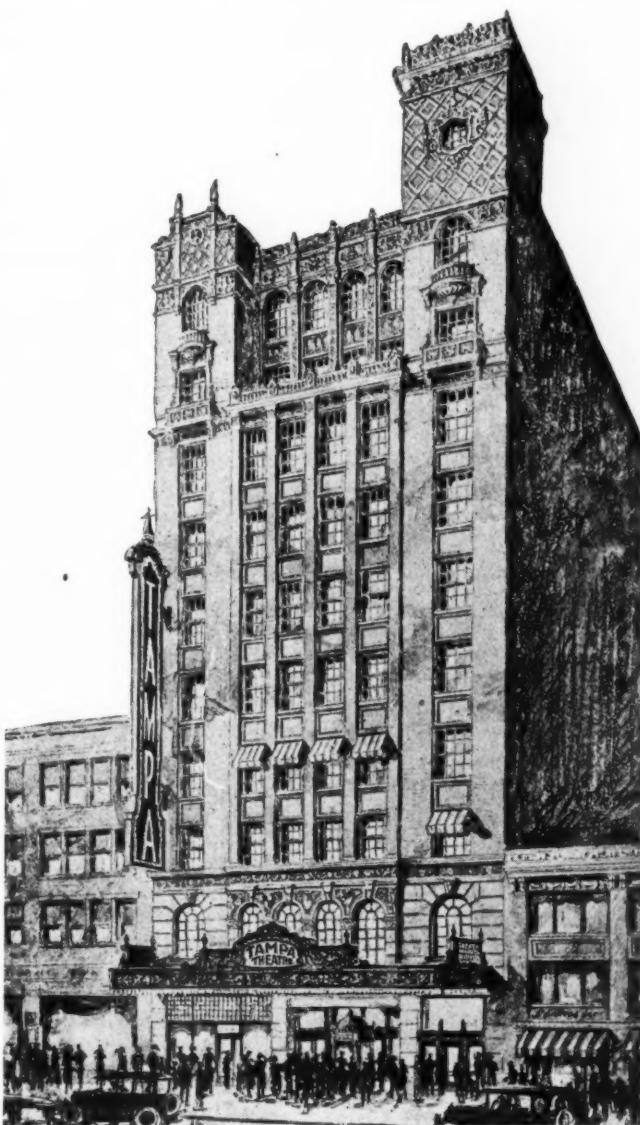
"There will be an administrative building, reception building, hospital building for acute sick, hospital ward for tuberculosis patients, separate wards for epileptics, wards for the disturbed, wards for chronic cases, assembly hall, nurses'

home, kitchen and dining room, laundry, store room, baker shop, industrial shop and homes for physicians and other employees.

"A deep well will be dug and sufficient sewerage facilities provided to take care of the institution, which will be eight miles from Jackson."

\$1,500,000 Theater and Office Structure for Tampa, Fla.

The construction of a \$1,500,000 theater and office building in Tampa, Fla., for the Consolidated Amusements, Inc., of that city, has recently been started. The structure will be 10 stories high and will occupy a site fronting 56 feet on Franklin street, 105 feet on Florida avenue and 105 feet on



NEW THEATER AND OFFICE BUILDING, TAMPA.

Polk street. It will be of reinforced concrete, steel and hollow tile, with face brick walls, terra cotta trim and marble base. A spacious arcade and lobby will provide an entrance from Franklin street. There will be four stores in the arcade and four shops on Florida avenue. The theater will have a seating capacity of 1,600 and has been designed for both beauty and utility.

John Eberson of Chicago, is the architect, and G. A. Miller of Tampa, general contractor. Details of financing the structure were handled by the Mortgage & Securities Co. of New Orleans and St. Louis.

Two Florida Cities Have \$6,000,000 Harbor Plan.

Hollywood, Fla.—According to Charles H. Windham, city manager of Hollywood, steps will soon be taken for submitting a \$2,000,000 harbor bond issue to the electorate of this city, in order to carry out an agreement reached by a joint harbor committee of Hollywood and Fort Lauderdale. This agreement, which has been embodied in a report of the committee, provides for the creation of a harbor fund of \$6,000,000, of which \$2,000,000 will be provided by this city, \$2,000,000 by Fort Lauderdale and a similar amount by Joseph W. Young, developer of Hollywood.

The report outlines a procedure for securing Government aid for the project, which will embrace a 35-foot channel and a 1000-foot turning basin, and allots an equal division of channel and harbor facilities to the two cities. It provides for 2200 feet of harbor frontage for docks at Fort Lauderdale and for a wide avenue from the harbor to the Dixie highway on the dividing line between the cities. The report also furthers the continuation of the Bay Mabel harbor project and contemplates the construction of a 10-foot channel from Bay Mabel to the Fort Lauderdale section of the harbor.

Jetties now being built into the ocean will be continued, according to engineering plans already determined, and rock removed from the harbor excavation will be used for the lower portion of the jetties. The upper portion will be built of marble, rubber and block.

Members of the joint harbor committee include W. C. Kyle, Tom Bryan and Major J. W. Tidball of Fort Lauderdale; F. C. Dickey and W. S. Parker of Hollywood. Mr. Windham represented the interests of Mr. Young.

Palm Beach Apartment to Cost \$1,500,000.

Palm Beach, Fla.—Madame Jennette Gals of this city is having plans prepared by Mortimer Dickerson Metcalfe of New York and Palm Beach for the erection of a \$1,500,000 apartment building on North Ocean boulevard. The structure, to be known as the Jennette Towers, will be of Spanish Renaissance architecture and will contain 65 apartments. A feature of construction will be a large tower of more than 200 feet. Two electric elevators will be installed to connect in the basement with a tunnel to be constructed under the boulevard to the ocean beach. The building is expected to be ready for occupancy by December 15 of this year. Its general management will be in the hands of William Day, said to be identified with the enterprise.

New Corporation to Finance Florida Industries.

Miami, Fla.—To meet the need for financial assistance in the big building program under way in Florida, as well as to develop industries demanded by a growing population, the Federal Finance & Mortgage Co. of this city has been organized with a capital of \$5,000,000 in preferred stock and 50,000 shares of common stock of no par value. Organization of the new corporation has been effected by the co-operation of Los Angeles, Detroit, New York and local capitalists. Officers include William R. Carter, chairman of the board; B. K. Hanafourde, president; Hyman Harrison, vice-president; H. L. Beach, vice-president; George E. Nolan, treasurer, and Harry R. Trattner, secretary.

Contract for \$300,000 Office Addition.

Ponca City, Okla.—General contract has been awarded to the Shallenberger Construction Co. of Tulsa for the erection of a \$300,000 addition to the Marland Refining Company's office building here. The addition will be five stories, L-shaped, with two wings 120 by 40 feet each, of reinforced concrete, brick and Bedford stone. The Grinnell Heating Co. of Kansas City, Mo., has contract for heating.

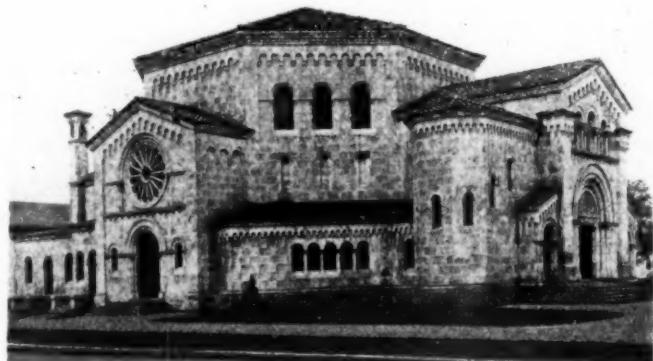
Miami to Ask Bids on \$11,250,000 of Bonds.

Miami, Fla.—Bids may be called about May 19 on a new bond series to be issued by the city, according to C. L. Huddleston, city director, who has notified bond houses to that effect. A total of \$11,250,000 is involved in the proposed bond sale, as this amount was authorized at an election in February, but it has not yet been determined whether the entire issue or only a portion of it will be offered now. Specific attention has been called to an item of \$1,605,000, included in the issue, to be loaned to the United States Government for Federal aid in widening and deepening the harbor channel.

In addition to harbor improvements, funds from the bonds will be used to build five Miami river bridges at a cost of \$1,800,000 for street widening and extensions, fire and water equipment and extensions, municipal garage, sewage-disposal plant, hospital and equipment and other facilities.

Completion of Riverside Baptist Church.

An outstanding type of church architecture, combining beauty of design with a commodious interior, is presented in the Riverside Baptist Church of Jacksonville, Fla., which has recently been completed. The building is of Byzantine architecture with Romanesque designs; it is constructed of hollow tile and brick with stone finish. Tile for the aisles were brought from Spain, while lighting effects have been



NEW RIVERSIDE BAPTIST CHURCH, JACKSONVILLE.

copied from Napoleon's tomb, the lighting system being so arranged that it has the effect of daylight blue in the auditorium and yellow light over the organ. The auditorium will seat 1000.

Plans for the structure, which cost slightly more than \$160,000, including furniture and organ, were prepared by Addison Mizner and Bruce Kitchell, both of Palm Beach. Ponder & Hammel of Jacksonville, were general contractors, other contracts being awarded as follows: Plastering and stucco, John Graham; roofing and heating, Charles H. Johnson; electrical work, Livingstone, Yonge & Co.; millwork, sash and doors, glazing and church furniture, Schell-Sasse Manufacturing Co., all of Jacksonville; stone work, Cooper C. Lightbown; electrical fixtures, Addison Mizner's Antique Shop; painting and decorating, D. J. Kort, all of West Palm Beach. G. E. James of Jacksonville was superintendent of construction.

Dr. Lee McB. White is pastor of Riverside Church, members of the building committee including Dr. H. Marshall Taylor, J. H. Pace, W. J. Schell, E. H. Bacon and Dr. S. B. Rogers.

A new plant to replace one burned a few weeks ago will be erected by the Universal Glass Products Co., Parkersburg, W. Va., at a cost of \$40,000.

NEWS AND VIEWS FROM OUR READERS

[Publication in this department of letters from our readers does not mean that we either approve or disapprove the views expressed. We believe in a full and frank discussion of the mighty questions of the hour, for only in this way can the truth be found. Therefore we often publish letters with which we do not agree.—Editor Manufacturers Record.]

A Vigorous Criticism of a Bill to Forbid Future Trading in Cotton and Grain.

WALTER PARKER, Fenner & Beane, New Orleans, La.

In reply to your letter, in which you request information regarding S. 454, a bill to prohibit future trading in cotton and grain, now pending in the United States Senate, which will give your readers an opportunity of understanding the situation, I beg to say:

Future trading, or the process by which commodities may be bought and sold in advance of production, thus enabling merchants to hedge, or insure themselves against the bulk of speculative risks they run, marks the dividing line between modern and ancient commerce.

Through its use commodities such as cotton, grain, sugar, coffee, rice, rubber, cottonseed oil and the like, the production volume of which is variable, become prime collateral, whereas lumber, horses and mules, stationery, bricks and many other articles essential to the welfare of man, the production volume of which is largely regulated to fit demand, are never regarded as prime collateral.

Because of future trading and the hedge, cotton, grain and the like enjoy the benefits of open competitive buying and an ever-ready cash market, while such commodities as lumber must await an actual demand by consumers.

The cotton and grain producers can sell for cash, and to the highest bidder, at any time simply and solely because the merchant buyer can sell a future hedge which safeguards his capital and his profits against a possible decline in price.

Because of this price insurance, such merchant buyer can borrow almost 100 per cent of the price he pays; consequently he can safely carry such cotton in store until the mills are ready to purchase it.

It is this system Senator Caraway, with his Senate bill 454, would destroy by prohibiting speculation in cotton and grain for future delivery.

By prohibiting speculation in futures, the supply of hedges would be so reduced as to make their use impossible.

By making the use of the hedge impossible, Senator Caraway's bill would re-establish speculation in the merchandising of cotton and grain.

Thus, with price insurance impossible to obtain, cotton and grain would cease to be prime collateral, merchants' profits would have to be increased to cover the increased risk, competitive buying would be reduced, the creation of a market in advance would be attended by severe speculative dangers, the daily cash market for the spot commodity would give way to more or less non-competitive buying by strong merchants who could dictate their own terms, and the very system which permits the farmer to sell to the highest bidder any day, the mill man to purchase the lowest priced offerings any day and the weight of the crop to be spread out over twelve months, though marketed by the producer in four, will be destroyed.

The philosophy and the function of the future contract are not understood by Mr. Caraway.

In England groups of men guarantee individuals that houses will not burn, that it will not rain on a certain day, that ships and cargoes will not sink. They are called Lloyds. They relieve individuals of speculative risks, to the end that those individuals may safeguard themselves against ruinous losses.

In cotton and grain, speculators, in the hope of profit, supply future, or hedge, contracts to individuals to protect them

from price changes, thus enabling them to escape much of the risk they would otherwise have to provide against, with consequent increased cost to the commodity itself.

Mr. Caraway has confused the forward commitment, or the contract on which specific grades and quantities are delivered at designated periods, with the future, or hedge.

The latter enables merchants to make contracts ahead for the delivery of specific grades and quantities at designated periods, sometimes long before the commodity has been produced, and long before the price at which the commodity will sell can be known.

The South's prosperity is largely built upon cotton. Hedge trading is the key to the system under which the South's cotton is financed and marketed.

Mr. Caraway's bill would destroy that system, but would supply nothing to take its place.

A Suggestion of a Premium on Old Age.

W. H. KENDRICK, Kendrick & Bowyer, Contractors, Gulfport, Fla.

I notice there is a growing interest in the idea of rewarding men for great achievements in science, for deeds of heroism, etc., which is, according to my opinion, the greatest incentive to the future intellectual development of the race. And I feel that more good could be done in this direction if these matters could be given more publicity and more encouragement.

Along this same line I think if the Rockefeller Institute or the Government would offer a substantial reward to every native-born citizen who lived to be 100 years old, with an increase for every year lived beyond the century mark, it would have the tendency to increase longevity. In a monetary way—as the world seems to be money-mad—it would at least make their offspring take better care of them. Their children would help them to care for their health and try to prolong their lives instead of hurrying them to their death, as many apparently do, so they could sooner have that which is eventually to be theirs.

This would, I believe, bring about a very desirable change and would represent money well spent. Often I have heard old people say, "I am old and in the way. I wish that my time would come." Now, if they had not made a financial success in life, and their children could help them and instruct them in taking better care of themselves, thus causing them to reach the goal, I believe much would be accomplished for the betterment of our race.

"Liquor and the Newspapers."

EUGENE L. DUFAU, New Orleans, La.

Having at hand a copy of the Christian Science Monitor of Saturday, March 13, I noticed an editorial, "Liquor and the Newspapers." I am taking this means of congratulating the one who wrote about the newspapers playing up crime news, as read in the MANUFACTURERS RECORD. The month is not mentioned, but whoever wrote the article certainly is telling the truth. I have seen so much suffering from the effects of intoxicated liquor among my fellow-workers that it has made me wish that we will never be bothered again with saloons. Yes, Mr. Editor, the law is being enforced, and the only ones who are kicking are the ones who would profit on their fellow human beings. I sincerely hope that the good fight for law and order will be kept up.

THE IRON AND STEEL SITUATION

New Record in Steel Production for Eight Months.

Pittsburgh, May 3—[Special.]—There has been no further decrease noticeable in the pace of steel buying in general. The decrease, after a period of exceptional activity, was marked late in March and early in April. The present rate of buying is probably 60 to 65 per cent of producing capacity, while production and shipments last week ran at between 80 and 85 per cent of capacity. The peak rate of production was, in March, 92 per cent, while the average rate in eight months, September to April, inclusive, was 85 per cent, making a new record for eight months.

The gap of about 20 per cent between bookings and shipments represents in part the filling of old business, chiefly in rails and tinplate, commodities now out of season as to buying, and in part the fact that even when current orders are being executed promptly it does take some time. Thus some further decrease in mill operations is to be expected in the next few weeks even with buying continuing at the present pace. Then there is the fact that the seasonal peak in rail shipments has been reached and it will not be long before tinplate shipments have their seasonal tapering off, particularly as the late planting of packing crops is relieving the pressure for deliveries usually felt at this time.

A fair guess seems to be that by the end of June mill operations will be at a rate between 70 and 75 per cent of capacity. There is no likelihood, and scarcely any possibility, of mill activity decreasing sharply as it has so often done in the past after a bulge. The difference in conditions is a very outstanding one. In each of the past three years there was a bulge in production for just a few months, and promptly it developed that buyers had stocks to liquidate, while there was generally a little cancelling and postponing. If such a thing were in order this time it would have developed long ere this, for there has been exceptionally heavy production for eight months, the average rate of ingot production September to April, inclusive, being about 48,000,000 tons a year, or 85 per cent of the estimated capacity rate. This makes a new record.

It is evident that consumption, at least primary consumption; the operation of manufacturing consumers and distribution by jobbers, both direct customers of the steel mills, has been practically equal to the production and shipments in this period, representing by a considerable margin a new high record in consumption. It is far from certain, however, that there are not accumulations of importance farther along the line in manufactured wares not fully distributed or digested by being put into final employment. However, consumption has much momentum and when buyers do not have stocks of steel to liquidate the buying and shipping of steel can have no slump such as has occurred so often in the past.

The general steel consuming lines do not present any particular loss in strength or activity, though here and there some seasonal decline may be occurring.

In fabricated structural steel work there have been three weeks of relatively light letting of contracts, fully one-third below the previous pace, while for the five months November to March the fabricating shops had heavy bookings, yet had still heavier shipments, despite the time of year, the excess of shipments in the five months being about 100,000 tons. In freight cars, after buying at the rate of about 12,000 cars a month from the beginning of November to early March, there have been seven weeks of light buying, only about 6000 cars in the seven weeks. With no improvement in buying in these two lines, mill shipments of steel against them will soon begin tapering off.

The steel market is being watched closely for signs of

declines, which might be expected when the heavy buying for months did not operate to advance prices materially, and the buying is now lighter. Mills are standing their ground quite strongly, however, and there are no quotable declines in the past week. Sheet prices are a shade easier.

Pig-iron has continued very dull, with prices unchanged, and the same is to be said of Connellsville coke. Scrap is a trifle easier in tone.

Pig-Iron Market Remains Quiet.

Birmingham, Ala., May 3—[Special.]—A quiet pig-iron market does not appear to disturb the peace of mind among the furnace interests of this state. The waiting game appears to be admitted on both sides, the furnace interests waiting for a buying movement to start and the larger melters feeling confident that there will be concessions made on the price level, now held at \$22 per ton, No. 2 foundry. The furnace interests have at least 30 days to go yet, with steady delivery in sight. The larger melters intimate that they are going to need as much iron for the third quarter as they used during the first. It is true that some of the consumers who are on the borders bought some iron from Ohio producers, but it is stated that the same consumers have quite a little tonnage of iron from Alabama on yards. It is hardly probable that any more foreign iron will be purchased abroad by one of the larger melters of the product; some 12,000 tons of iron to be brought in from England shortly.

Furnace interests of this state have accumulated little iron this year and there was considerable reduction of the surplus stock during the past 12 months. Thirteen blast furnaces continue on foundry iron. Another ironmaker will blow in this month on foundry, while a second furnace making basic may be started up also.

The cast-iron pressure-pipe plants of the district are still operating almost to capacity. The soil pipe and fittings shops are operating a little better than 50 per cent, considered as a whole. Improvement is looked for in the soil pipe trade, as from every direction come reports that building programs are being put into execution or new plans being worked out.

Foundries and machine shops are also lagging some right now, but are looking forward to improvement before long. The fact that furnace interests have not reported many, if any, cancellations indicates that the need for iron is still good. Very little spot business is being handled right now, but small-lot buyers are still in the market off and on and are taking deliveries in from one to four weeks on from one to six and eight cars of iron. Stove foundries are enjoying a fairly good business, despite the fact that the season is supposed to be off for a while.

Excellent reports are still heard as to the steel market in this section. Late spring is given as the cause of some lagging as to wire and nails, but there is a call for practically capacity production in many mills and works of the district on other shapes of steel. The Birmingham district in the last few months has had a strong run on welded tanks.

The Portland cement industry has shown a slight improvement in demand as weather changes take place in the territory supplied from here. Road construction, as well as general building projects, provides a good demand for this product.

The coal industry is still active. One of the larger producers of coal a week ago reported a shortage of railroad cars. This was unusual. Despite the fact that there has been a steady output of coal in this state, around 400,000 tons of coal weekly, the transportation facilities have been everything that could be desired. The little flare probably

resulted from an underestimate of needs for cars and a little spurt in demand for fuel. Although not officially announced, reports are current that the Tennessee Coal, Iron & Railroad Co. will start work shortly on another mammoth coal mine, a short distance removed from its present larger operations.

The coke market also continues strong, everything considered, with quotations ranging from \$5 to \$5.50 per ton, foundry coke. All by-product coke oven works are going to capacity. Readjustment of coke freight rates from St. Louis into the Missouri River and Kansas territories, ordered by the Interstate Commerce Commission, will not materially injure the trade handled by Birmingham coke producers.

The scrap iron and steel market shows no change, the buying is nil and delivery is good on old contracts. Dealers in old material are still buying and preparing the various products in contemplation of improved demand, at present buying in a little greater than shipping. Quotations for old material are unchanged but are weak.

Announcement that work on the rehabilitation of the Muscle Shoals, Birmingham & Pensacola Railroad, purchased a few months ago by the St. Louis & San Francisco Railroad, by May 15, and that several hundred men will be given employment and upwards of 40 miles of light rails will be replaced with heavier rail, will mean orders for the Birmingham district.

PIG-IRON.

No. 2 foundry, 1.75 to 2.25 per cent silicon, f. o. b. furnaces, \$22.00 to \$23.00; No. 1 foundry, 2.25 to 2.75 per cent silicon, \$22.50 to \$23.50; iron of 2.75 to 3.25 per cent silicon, \$23.00 to \$24.00; iron of 3.25 to 3.75 per cent silicon, \$23.50 to \$24.50; iron of 3.75 to 4.25 per cent silicon, \$24.00 to \$25.00; charcoal iron, f. o. b. furnaces, \$30.00 to \$31.00.

OLD MATERIAL.

Old steel axles.....	\$18.00 to \$19.00
Old iron axles.....	18.00 to 18.50
Old steel rails.....	14.00 to 15.00
Heavy melting steel.....	13.00 to 14.00
No. 1 cast.....	17.00 to 18.00
Stove plate.....	14.00 to 14.50
No. 1 railroad wrought.....	12.00 to 13.00
Old car wheels.....	16.00 to 16.50
Old tramcar wheels.....	17.00 to 17.50
Machine shop turnings.....	8.00 to 8.50
Cast iron borings.....	8.00 to 9.00
Cast iron borings (chemical).....	15.50 to 16.50

Will Erect Big Prepared Slag Plant.

Construction began May 1 on a plant at Sparrows Point, near Baltimore, for the Maryland Slag Co., recently organized; it will produce 2000 to 3000 tons of prepared furnace slag daily. The main plant will be 40 by 80 feet, with structural steel frame, steel plate floors and corrugated steel roof. Storage bins, 36 by 54 feet, will also be erected.

The plant has been designed by the Standard Slag Co. of Youngstown, Ohio. C. E. Leach of Youngstown will be the construction engineer. General contract has been let to the M. A. Long Company, Baltimore. Crushers, elevators, conveyors, screens, magnetic separators and miscellaneous equipment will be installed. Contracts have been let for equipment to the Allis-Chalmers Manufacturing Co., Milwaukee, Wis.; the Webster Manufacturing Co., Tiffin, Ohio, and W. S. Tyler Co., Cleveland, Ohio.

L. A. Beeghly, Youngstown, Ohio, is president of the new company, and R. A. Froehlinger, treasurer of the Arundel Corporation, Baltimore, is secretary-treasurer.

Rush Work on Line to Texas Oil Fields.

Panhandle City, Texas, May 1—[Special.]—Within a few hours after receipt of the official information from Washington that the Interstate Commerce Commission had granted the application of the Atchison, Topeka & Santa Fe Railway for a permit to build a branch of its Panhandle & Santa Fe line from a point near here into the oil fields of Hutchinson county, 31 miles, construction gangs were at work on the new road. It will be finished and placed in operation in less than three months, it is expected.

RAILROADS

Atlantic Coast Line Contracts for \$2,000,000 Shops Near Tampa.

Dwight P. Robinson & Co., Inc., New York city, have been awarded a contract by the Atlantic Coast Line Railroad Company to build large locomotive repair shops at Uceta, near Tampa, Fla. In a telegram to the MANUFACTURERS RECORD the firm say that preparation of plans will begin immediately and that the shops will be opened for use on January 1 next. This will be an important addition to the railroad company's plans for yards at Uceta, which, according to a press report from Tampa, will require a total expenditure of \$5,000,000. The shops will cost \$2,000,000, it is stated, not including their equipment of machinery, etc. The main shop will be 635 feet long and 235 feet wide. From 800 to 1200 men will be employed upon their construction.

Texas Lines Getting New Cars and Engines.

Austin, Texas, April 24—[Special.]—By next fall all of the larger railroad systems of Texas will be better equipped with rolling stock than ever before, according to information received by the Railroad Commission. Many large orders for engines and cars are now being filled. Besides the purchases of new rolling stock, much money will be spent in roadbed and track improvements. The Missouri Pacific Railroad alone has ordered new rolling stock and will make improvements of the Texas lines of its system at a total cost of \$9,580,000, it was stated by H. R. Safford, executive vice-president. The rolling-stock equipment purchases include 15 Mikado type locomotives, 22 passenger cars, and 1000 freight cars have been ordered and will be placed in service on Texas lines of the company. The Texas lines of the St. Louis-San Francisco Railroad are receiving a good share of the engines and cars embraced in the \$11,000,000 equipment order given by that road last October. There have already been delivered to the system 3500 freight cars and 14 passenger coaches, and by June 15 the rest of the order will be delivered, including 15 large Mikado type freight engines, 10 Mountain type passenger engines and 500 gondola cars.

Steady Gains in Car Loadings.

Reports just filed by the railroads with the Car Service Division of the American Railway Association showed that loading of revenue freight for the week ended on April 17 totaled 964,935 cars. This was an increase of 41,091 cars compared with the corresponding week last year and 88,019 cars over the corresponding week in 1924. Compared with the preceding week, the total for the week ended on April 17 was an increase of 35,429 cars, increases being reported in the total loading of all commodities except coke. Car loadings since January 1 were as follows: 1926—14,808,131 cars; 1925—14,548,053 cars; 1924—14,207,854 cars.

Executive General Agent Appointed.

R. M. Dozier has been appointed executive general agent of the Missouri Pacific Lines at Memphis, Tenn., the appointment taking effect May 1. Since September 1, 1920, Mr. Dozier has been president of the Union Railway at that city and also vice-president of the Memphis Union Station Company and the Arkansas & Memphis Railway Bridge & Terminal Co. He began his railroad career with the Southern Railway at Columbus, Ga., and has been with the Missouri Pacific Railroad since 1905, with the exception of a short period in the Railroad Administration.

Baltimore & Ohio Authorized to Acquire a 300-Mile Line.

The Interstate Commerce Commission has approved the application of the Baltimore & Ohio Railroad Company for authority to purchase control of the Cincinnati, Indianapolis and Western Railroad, which runs westward from Hamilton, Ohio, via Indianapolis, Ind., to Springfield, Ill., 296 miles. Entrance to Cincinnati is obtained over the Baltimore & Ohio line, with which connection is made at Hamilton, and a through service between Cincinnati, Indianapolis and Chicago is maintained in connection with the Chicago, Indianapolis & Louisville Railroad or Monon Route. The Baltimore & Ohio is to acquire not less than 80 per cent of the stock of the road and, it is stated, will pay \$24.50 per share for the preferred and \$14.50 per share for the common stock, or a total of \$2,686,500. The acquisition of this line will round out the Baltimore & Ohio's facilities in the middle West, besides being of general benefit to the system.

L. F. Loree Chairman of Missouri-Kansas-Texas System.

Circular-letters have been sent out by Secretary N. A. Phillips, of the Missouri-Kansas-Texas Railroad Co. announcing the election April 19 of L. F. Loree as chairman of the board of directors and of C. N. Whitehead as president to succeed C. E. Schaff, retired, this latter change taking effect May 1. Mr. Loree is also president of the Delaware & Hudson Co., the Hudson Valley Railway Co. (electric), chairman of the Kansas City Southern Railway Co., and president of the Quebec, Montreal & Southern Railway Co. His election as chairman of the Missouri-Kansas-Texas Railroad is indicative of the increased influence of the Kansas City Southern interests in that system.

Goose Creek Line Goes to Southern Pacific.

Dayton, Texas, April 24—[Special.]—After refusing the application of the Gulf Coast Lines of the Missouri Pacific Railroad to purchase the Dayton-Goose Creek Railway, the Interstate Commerce Commission has granted permission to the Southern Pacific to acquire the line. The consideration is \$900,000, which is \$25,000 less than that offered by the Gulf Coast Lines. The road was built and owned by R. S. Sterling of Houston. It runs from Dayton to Baytown, 25 miles, passing through the Goose Creek oil field. Its principal traffic is freight for and from the big refining plant of the Humble Oil & Refining Co. The road will be operated by the Texas & New Orleans Railroad, one of the Southern Pacific's lines in this state.

New Equipment.

During the first three months this year Class 1 railroads installed in service 21,363 freight cars, according to reports filed by the roads with the Car Service Division of the American Railway Association. Of the total box cars numbered 9582, coal cars 9069 and refrigerator cars 1206. In April 1 these lines had 49,524 freight cars on order, an increase of 3398 compared with the same date last year; box cars numbering 20,846, coal cars 20,237 and refrigerator cars 6099. Reports also showed 570 locomotives placed in service during the first three months this year, and on April 1 there were 738 locomotives on order. These figures include new and leased equipment.

The purchase of 15 Mikado and Pacific type locomotives, four of which have already gone into service on the International-Great Northern railroad, is announced by H. R. Safford, executive vice-president of the Missouri Pacific Lines in Texas. The other 11 of the 15 ordered will be placed in

service as they arrive. There are 10 of the heavy Mikado type for freight trains and 5 of the heavy Pacific type to be used on the Sunshine Special and other fast trains. Mr. Safford also announced the purchase of 22 new all-steel passenger cars, 750 steel underframe freight cars, 250 steel underframe automobile cars, and 50 all-steel gondola cars for the Texas lines of the system.

Atlantic Coast Line Railroad has ordered 1000 composite gondola cars from the American Car & Foundry Co.

Southern Railway has ordered 45,200 tons of rails for delivery during the last half of the current year, this being in addition to 46,200 tons to be delivered during the first half-year. The largest share of the new order—38,600 tons—was given to the Tennessee Coal, Iron & Railroad Co., which will make the rails at Ensley, Ala. Of the remainder, 4600 tons will be rolled by the Bethlehem Steel Co. and 2000 tons by the Illinois Steel Co. All rails will be 39 feet long and most of them will weigh 100 pounds per yard.

Missouri Pacific Best Year in 1925.

The Missouri Pacific railroad last year enjoyed its best year since the period of Federal control, both in volume of business handled and in net income received as shown in the annual report of the railroad company for the 12 months ending last December 31, now released by President L. W. Baldwin.

Railway operating revenues for 1925 totaled \$130,831,661.43. This is an increase of \$7,183,937.81, or 5.81 per cent, over 1924. Freight traffic contributed 79.73 per cent of the total revenue. Gross earnings from this class of traffic were \$104,319,276.71, an increase of 8.72 per cent over 1924.

A decrease of 5.64 per cent as compared with the same period is shown in passenger revenue. Gross earnings from this class of traffic in 1925 totaled \$16,536,035.26. Decrease in passenger earnings is traceable to decrease in local railroad travel through use of motor vehicles and the extension of good roads throughout Missouri Pacific territory. A decrease of 25.09 per cent in the number of passengers carried also is shown in the 1925 report, the total for the year being 6,890,526. The number of passengers carried one mile—492,044,088—shows a decrease of only 3.89 per cent, however, and the distance each passenger traveled was 71.41 miles, as compared with 55.66 for 1924, an increase of 28.30 per cent. This increase is attributed to further loss of local passenger or short haul business.

Operating expenses for 1925 totaled \$102,276,499.59. This is an increase of \$3,810,134.08, or 3.87 per cent, over the next previous year.

The item of railway tax accruals indicates a tax payment of more than \$4 for each \$100 of gross earnings; the total is \$5,266,437.68 and is 12.28 per cent greater than the charges for 1924.

Net income after all fixed charges, including interest on the funded debt, etc., totals \$7,648,208.66. This is an increase of \$1,144,991.10, or 17.61 per cent, over the net income for 1924.

A substantial increase is shown in the volume of traffic handled. Tons of revenue freight during 1925 totaled 40,380,712, an increase of 9.99 per cent over the previous year, while the tons of freight carried one mile totaled 9,564,442,764, an increase of 9.02 per cent, and the average revenue per ton per mile on this large volume of traffic was 10.91 miles, as compared with 10.94 for 1924.

New equipment received and put into service during 1925, according to the report, consisted of 64 new locomotives, 42 passenger cars, 4517 freight cars and other miscellaneous equipment. In addition, orders have been placed for the following to be delivered during 1926: Twenty-five locomotives, 22 passenger cars and 2000 freight cars.

TEXTILE

Philadelphia Mill Will Move to Nashville—Company to Have Capital and Surplus of \$1,000,000.

A site of 15 acres has been acquired in West Nashville, Tenn., by Thomas Henry & Sons, Inc., of Philadelphia, for the location of a cotton mill, for which Robert & Co. of Atlanta are engineers and Marr & Holman of Nashville, supervising architects. Outlining details of the proposed plant, Robert & Co. wire the MANUFACTURERS RECORD that contract for the erection of buildings has been awarded to the Rock City Construction Co., Nashville, and that equipment will be moved from Philadelphia. This will consist of 20,000 spindles and 134 looms for the manufacture of merino yarns and Turkish towels. It is stated that the buildings will contain 110,000 square feet of floor space and will cost \$250,000.

Reports from Nashville announce that the company has incorporated under the laws of Tennessee with a capital stock and surplus of \$1,000,000. J. M. Tallman of New York, is president, and H. C. Dodd of Philadelphia, secretary and treasurer.

Massachusetts Mill to Build Tennessee Plant.

The Holliston Mills, Inc., of Norwood, Mass., wire the MANUFACTURERS RECORD that they plan to build an additional finishing plant and bleachery at Kingsport, Tenn., contracts for which have not yet been awarded. Press dispatches from Kingsport state that plans have been prepared for the erection of two connecting buildings, having total dimensions of 540 by 75 feet, a portion of one building to have a second story. Construction is expected to begin by May 10 and the plant completed by October. It will be equipped for the manufacture of book cloth.

The Kingsport Press, it is stated, through its Clinchfield Mills, has heretofore manufactured certain grades of book cloth which it uses, but with the advent of the Holliston mill, it is understood that the Clinchfield Mills will cease to make this product. The new mill will be located adjacent to the plant of the Kingsport Press and is expected to be ready for operation by the first of October. It will have an annual production, it is said, of approximately 10,000,000 yards of cloth of the less expensive grades—products known in the trade as Novelex and Sterling Linen. Charles E. Leonard of Kingsport is engineer for the new mill and plans are now ready for bids on electrical work and boiler equipment.

Officers of the Holliston Mills, Inc., include Ernest J. Baker, president and buyer; C. V. Britton, secretary; H. M. Plimpton, treasurer, and E. F. Percy, superintendent.

Erecting Dwellings and Installing Machinery.

Anderson, S. C.—Contract has been awarded by the Appleton Manufacturing Co. to the Harper Lumber Co., Honea Path, S. C., for the erection of 50 dwellings in its mill village here. The Webb Electric Co., Anderson, received contract for the installation of wiring and electric fixtures. Contract for sewerage facilities will be awarded later. Work is expected to begin at once, the dwellings to be ready for occupancy within two months.

It is stated that the Appleton Company has also purchased six new napping machines to be installed immediately at a cost of \$30,000, the machines to be furnished by the Woonsocket Machine Co. of Woonsocket, R. I. Hugh F. Little is general manager of the local Appleton mill.

Convention of Atlantic Cotton Association.

A comprehensive program has been prepared for the third annual convention of the Atlantic Cotton Association to be held at the Francis Marion Hotel, Charleston, S. C., on May 10 and 11. The meeting will be called to order on the morning of the 10th by D. E. McCuen, Greenville, S. C., president of the association, following which addresses of welcome will be delivered by Mayor Thomas P. Stoney and Burnett R. Maybank, president of the Charleston Cotton Exchange, the response being made by J. H. Well of Montgomery, Ala. Mr. McCuen will then deliver his annual address, when the convention will proceed to routine business.

In the afternoon addresses will be delivered by Secretary W. M. Jardine, of the Department of Agriculture, Washington, and D. R. Coker of Hartsville, S. C. A banquet will be tendered the association in the evening by the Charleston Cotton Exchange, at which F. R. Waring, editor of the Charleston Evening Post, will serve as toastmaster; an address will be delivered by Senator E. D. Smith of South Carolina, author of the Smith-Lever act under which the cotton trade now operates. His subject will be "The Cotton Futures Act."

The convention will be addressed on the morning of the 11th by Frank B. Hayne, president of the New Orleans Cotton Exchange, this feature to be followed by the transaction of routine business, election of officers and directors and selection of a place for the next convention. In the afternoon the convention will be the guest of the Charleston Cotton Exchange, on a visit to Fort Moultrie, where luncheon will be served, and an inspection trip made of the harbor.

Officers of the Atlantic Cotton Association, in addition to Mr. McCuen, include R. H. Gilbert, Norfolk, Va., first vice-president; W. R. Owen, Anniston, Ala., second vice-president; D. D. Summey, treasurer, and J. M. Gloer, Jr., secretary, both of Atlanta. Committee chairmen include the following: A. C. Walker, Greenville, S. C., committee on Southeastern mill arbitration; Leo Bashinsky, Birmingham, recommendations and resolutions; E. F. Lucas, Greensboro, N. C., clearing house for rejections; Charles L. O'Neale, Spartanburg, S. C., rules and by-laws; J. S. Billingslea, Albany, Ga., budget and finance, and W. S. Griffin, Greenville, S. C., futures contract committee.

Sale of Cotton Mills Confirmed.

Newton, N. C.—It is announced here that the court has ratified the sale of the four cotton mills of the Mecklenburg Mills Co., bankrupt, and that the plants will soon be in operation. A new corporation to be known as Clyde Mills, Inc., will operate the Newton and Clyde mills here and the Nancy mills at Tuckertown, N. C., it is said. H. W. Anderson of Philadelphia will be president of this company, while R. B. Knox of Newton will be identified with it. A new company will also be organized to operate the Mecklenburg mill at Charlotte. It will be known as the Mercury Mills, Inc., and will be incorporated in Delaware, it is stated.

The sale of the Mecklenburg Mills Company's plants was made a few weeks ago to Clarence E. Hale of New York.

Purchase Enoree Mills—\$1,250,000 Corporation Planned.

Enoree, S. C.—For a consideration said to be in excess of \$1,000,000, the Enoree Mills here have been purchased by R. Z. Cates and MacFarlane L. Cates of Spartanburg, who will assume control of the property on July 7. The new owners have announced that a \$1,250,000 corporation will be organized to own and operate the mill, which is equipped with 33,760 ring spindles and 836 looms for the production of sheetings and drills.

GOOD ROADS AND STREETS

West Virginia to Let \$1,750,000 of Road Work.

Charleston, W. Va.—Contracts will probably be awarded June 1 by the State Road Commission for approximately \$1,750,000. The proposed work will embrace 10 paving or gravel surfacing projects, four for grading and drainage and the construction of four bridges.

Brooksville Awards Contracts.

F. S. Parrigin, engineer, Brooksville, Fla., advises the MANUFACTURERS RECORD that the city of Brooksville has awarded contracts for improvements as follows: Storm sewers, sanitary sewers and pavements to Bennett & Crane, Brooksville; well and pumping equipment, Gray Artesian Well Co., St. Augustine, and water mains to W. G. Fritz & Co., West Orange, N. J.

Introducing New Type Concrete Pavement.

Jacksonville, Fla., May 1—[Special.]—A new type of concrete pavement is being introduced by the Floridian Pavement Co., organized recently with a capital of \$100,000. George B. McGrath is president and George W. Hutchinson consulting engineer. Florida sands will be utilized, together with certain special other materials, so as to preclude the necessity of using stone, granite, gravel, slag or other large aggregates.

Complete Facilities in New Motor Buses.

Meals from a compact kitchen are served to passengers on a bus line running from Los Angeles to San Francisco. The buses have a special compartment for women, another for smoking and a third for the driver. The entire rear panel of the smokers' compartment is a plate-glass window, which permits an unobstructed view of the scenery. Washroom space is also provided.

West Virginia Contracts Reach \$1,000,000.

Charleston, W. Va.—Nearly all road and bridge contracts for April letting have been signed by the State Road Commission, it is announced, the total amount involved approximating \$1,000,000. Among important projects is one of concrete construction in Preston county covering five miles of the Northwestern turnpike. This contract was awarded to the Keeley Construction Co. of Clarksburg, W. Va., at \$171,220.

Notes on Good Roads Construction.

Henry county, Kentucky, has voted a bond issue of \$400,000 for the construction of roads.

Osceola county, Florida, has voted a bond issue of \$2,000,000 for the construction of additional roads.

A bond issue of \$150,000 has been voted in Galveston, Texas, for the construction of a road on Bolivar peninsula from the point to Chambers county line and to provide ferry landings on both Galveston and Bolivar.

Bids will be received until May 24 by the Cabell County Court, Huntington, W. Va., on four road projects in Guyandotte district, plans and specifications for which may be obtained from the office of J. M. Oliver, county engineer.

Proposals will be received until May 11 by the Louisiana Highway Commission, Baton Rouge, for the construction of 2.84 miles of gravel road on the New Roads-St. Francisville highway in Pointe Coupee parish, plans and specifications for which may be obtained from the office of the commission.

Sale of Mack Buses in the South.

The International Motor Co., New York city, announces recent sales in the Southern states as follows:

Two 25-passenger city type Macks have been purchased by the Union Transportation Co., Tulsa, Okla., bringing the number of similar buses operated by that company up to 19. It is a subsidiary of the Oklahoma Union Railway Co.

The Flagler Terminal Lines, Inc., Miami, Fla., have purchased six 25-passenger Mack city type buses for operation on West Flagler street.

Congressional Tours, Hannah Nathan, proprietor, Washington, D. C., has purchased a Mack 230-inch bus chassis, on which will be mounted a Wolfgangton 30-passenger parlor car body, for use in sightseeing tours about the Capital.

The Columbia Sightseeing Co., Washington, operators of the Gray Line, have purchased a 230-inch wheelbase chassis, to be equipped with a Wolfgangton body, for service between Washington, Mount Vernon and Arlington.

The Brasier Transportation Co., Tulsa, has purchased four 25-passenger Mack buses for service in Tulsa.

The Sunshine Stage Line, Camden, Ark., has purchased two 25-passenger Mack parlor cars, Lang bodies, the first Macks on this line to operate between Camden and Eldorado, a route 34 miles long, for which a fare of \$1.75 one way is charged. Two and a half round trips a day are made, with a running time of one and a half hours.

High Point Paving Program Adopted.

High Point, N. C.—City Council of High Point has adopted a paving program to involve the expenditure of \$200,000, and has awarded contracts to R. G. Lassiter of Raleigh, with instructions to begin work at once. The program will affect 27 streets, embracing 19,400 lineal feet of 24-foot streets, 10,300 feet of 30-foot streets, 49,400 feet of granite curb, 13,000 feet of gutters and 25,000 square feet of excavation. Details are also being worked out by the council for another big paving program.

36 Miles in Alabama.

Montgomery, Ala.—Bids will be received until May 19 by the State Highway Commission for approximately 36 miles of road work covered by four projects, including one for 1.04 miles of concrete in Macon county, three miles of gravel in Dallas county, 13.79 miles in Pickens county and 18.37 miles of grade and drainage work in Cullman county. Plans and specifications are on file at the office of the State Highway Commission and at the offices of the division engineers.

To Beautify Connecticut Highways.

The Connecticut Highway Department has been studying the problem of preserving the beauty of the roadsides and will add to its organization a landscape architect; Hans A. Bauver of New Haven, a graduate forester, has been named for the place. The new official will direct the planting of shade trees bordering the trunk-line roads, and if legislative authority is obtained will take charge of all tree growth along the highways.

Missouri Awards Contracts for 135 Miles.

Jefferson City, Mo.—Contracts have recently been awarded by the Missouri State Highway Commission for approximately 135 miles of road construction embraced in 36 projects. The proposed work will include more than 53 miles of concrete, about 45 miles of graded earth work, 34 miles of gravel and about 2.5 miles of chat construction. Contract was also awarded on a bridge project in Cooper county.

LUMBER AND BUILDING MATERIALS

Satisfactory Gains in Lumber Movement.

Washington, April 29.—The National Lumber Manufacturers Association received telegraphic reports today of the status of the lumber industry for the week ended April 24 from 408 of the larger softwood and 151 of the chief hardwood mills of the country. The 394 comparably reporting softwood mills showed increases in production, shipments and new business, when compared with reports from 390 mills the week earlier. In comparison with reports from 388 mills for the same period last year, gratifying increases in all three items were noted, particularly in shipments. The hardwood operations showed little change in comparison with reports from 145 mills the previous week, the most notable being a considerable increase in production.

The unfilled orders of 240 Southern Pine and West Coast mills at the end of last week amounted to 748,604,363 feet, as against 759,599,975 feet for 239 mills the previous week. The 132 identical Southern Pine mills in the group showed unfilled orders of 292,615,584 feet last week, as against 294,342,482 feet for the week before. For the 108 West Coast mills the unfilled orders were 455,988,779 feet, as against 465,257,493 feet for 107 mills a week earlier.

Altogether the 394 comparably reporting softwood mills had shipments 104 per cent and orders 94 per cent of actual production. For the Southern Pine mills these percentages were, respectively, 112 and 109, and for the West Coast mills 111 and 95.

Of the reporting mills, the 351 with an established normal production for the week of 217,784,130 feet, gave actual production 110 per cent, shipments 119 per cent and orders 106 per cent thereof.

The following table compares the national softwood lumber movement as reflected by the reporting mills of eight regional associations for the three weeks indicated:

	Past Week	Corresponding Week, 1925	Preceding Week, 1926 (Revised)
Mills	394	388	390
Production	282,564,796	253,554,930	276,278,571
Shipments	294,454,648	246,997,475	266,239,783
Orders	265,846,774	254,174,735	253,271,483

The following revised figures compare the softwood lumber movement of the same eight regional associations for the first 16 weeks of 1926 with the same period of 1925:

	Production	Shipments	Orders
1926	4,035,217,614	4,231,137,286	4,260,697,595
1925	3,774,235,034	3,875,414,898	3,769,360,176

The Southern Cypress Manufacturers Association of New Orleans, for the week ended April 21, reported from 14 mills a production of 4,337,148 feet, shipments 4,520,000 and orders 4,000,000.

The Southern Pine Association reports from New Orleans that for 132 mills reporting, shipments were 11.69 per cent above production and orders 9.30 per cent above production and 2.14 per cent below shipments. New business taken during the week amounted to 79,104,412 feet, shipments 80,831,310 feet and production 72,372,661 feet. The normal production of these mills is 81,978,102 feet.

The North Carolina Pine Association of Norfolk, Va., with ten more mills reporting, showed a small increase in production, a 150 per cent increase in shipments and almost a 100 per cent increase in new business.

The Hardwood Manufacturers Institute of Memphis, Tenn., reported from 130 units, production as 18,964,620 feet, shipments 19,525,816 and orders 18,364,770. The normal production of these units is 22,443,000 feet.

For the past 16 weeks all hardwood mills reporting to the National Lumber Manufacturers Association gave production 417,611,618 feet, shipments 403,946,990 and orders 408,177,018.

Metal Tile Unit System Used in Floor Construction of Jacksonville Bank Building.

In connection with the erection of an 18-story addition to the present building of the Barnett National Bank at Jacksonville, Fla., there is being utilized in the building of the floors a type of construction which has been employed in similar work in other cities but is new to Jacksonville. It is known as the Shurebond unit system of metal tile, manufactured by the Goldsmith Metal Lath Co., Cincinnati, Ohio, from whom the following details have been obtained regarding the more important features of its construction.

The tile units, which are made from a special analysis, heat-treated steel, do not bend, sag or become distorted while the concrete is being poured. An interesting feature of the construction is the method of attaching the lath for the ceilings and positioning and aligning the tile. This is accomplished by furnishing and shipping the lath in units, these units having upturned ends. The lath bottom units are placed on the form work and tacked in position. The tile units are then placed inside of the upturned ends of the lath bottom units and are thus properly aligned and firmly held in position without the use of nails or other means of fastening. The upturned ends of the lath bottom units also prevent the tile units from shifting or from spreading outwardly or inwardly while the concrete is being poured, thus insuring concrete joists of uniform width along their entire length.

When the concrete is poured the upturned ends of the lath bottom units become imbedded and locked in the concrete, making the lath bottom units an integral part of the construction. This prevents the lath from pulling down when the wood forms are stripped, thus eliminating the necessity of refurring and presenting smooth and level surface for plastering.

The lath bottom units are made from four rib Shurebond—a perforated sheet lath. The end units are especially constructed so that they can be attached to the tile units without nails or other means of fastening.

One of the outstanding features of the system is speed of construction. The ease of handling and installing, the simple wood forming required, the method of providing for conduits, the fact that the lath is ready for plastering as soon as the concrete is poured and the wood forming is removed without requiring any refurring, and many other advantages, have enabled contractors to complete buildings far ahead of their schedule, resulting in quicker revenue to the owner and reduced cost through a saving in overhead to the contractor.

It is declared that the speed of construction is limited only to the rapidity with which the wood forming can be erected, the concrete poured, and those factors entering into what is usually termed "safe construction methods."

Plans for the structure were prepared by Mowbray & Uffinger, Inc., architects, New York city, and the general contract was awarded James Stewart & Co., New York city.

Beaumont Hardwood Mill in Operation.

Beaumont, Texas.—Organized last November, the Harris-Seale Hardwood Co. of this city has completed the erection of a hardwood mill here and has put it in operation. Logs for the mill are gathered within a radius of 100 miles of Beaumont, most of them from Texas forests. Officers of the company include W. P. Wallace, president; L. B. Harris, vice-president and manager, and William Seale, secretary and treasurer.

Long-Leaf Pine.

By EARL DIONNE, New Orleans.

Article II.

Did you ever see a long-leaf pine stump? Of course.

Did you ever see one rot out? No, and nobody else.

The sap, the ring around the outside, may rot, but the heart, the biggest part of it, is there till death do us part.

A farmer can cut down a hardwood and let wind and weather and plowshare do its work for a few years and the stump is gone. But, any Southern farmer knows he cannot fool a long-leaf stump that way. There was something put into long leaf by a Providence kind to us Southern folks that wasn't put into any other kind of a tree. Maybe it was because Nature was so careful about growing these trees that they last so long. The poet sings that only God can make a tree, and we might add that only a century of time can produce a 24-inch-diameter long leaf. Having been so carefully put together, it is only natural that it outlasts, under stress, any other softwood grown.

There are several varieties of Southern pine, or yellow pine, but they can be largely divided into two families—long leaf and short leaf. They are as different as the average two brothers. They look something alike to the person who just meets them once in a while, both in the tree and in the lumber, but they grow in different types of soil, associate with different "gangs," dress differently, saw differently and, when put into construction, show decidedly different characteristics. Each has its chosen field, but there has not been sufficient stress laid on keeping them in their respective fields. It has been a rather mutual proposition, and it has not worked out to the best advantage of either. The mills advertise "long-leaf pine" or "short-leaf pine," but nobody explains to anybody else just what the two different types are best fitted for. The retail yards advertise one or the other, but they haven't tried to specialize. The difference has been vague and undistinguished.

Of course, some of the fellows who manufacture one or the other will promptly say that the fellow writing this unhappy thought is afflicted mentally, but we defy, with fire in our eyes, anyone to run through the advertising pages of the lumber and industrial journals and find more than one or two operators who are actually coming right out in meeting and saying that this lumber of theirs, this long leaf, is better than any other wood in the whole world for certain purposes. The advertising is shy, diffident, afraid-to-hurt-somebody-else's-feelings kind of publicity. It does not heed the advice of the daily-paper philosopher who said pointedly when he was putting on his famous hair-brush-mirror combination, "If you have something good to sell, why keep quiet about it?"

Long-leaf pine's problem is getting rid of the production at the price it should command. That has always been the trouble with the lumber game—it has specialized in production. It has had but one hero, and that was a master of production, Paul Bunion. Paul could locate bigger trees, employ more men and get out more logs in a given time than, possibly, any other logger that ever lived. I have often wondered who sold Paul's output. There must have been another prodigy, another man who was as much a genius at selling as Paul was at logging, or Paul could not have kept up his course of tearing down forests. He would have had no place to put the logs. Again, maybe Paul did not have the competition that has appeared today. He did not have fiber board, steel girders, concrete walks and tin garages, as well as 40 other kinds of wood, to compete with.

Another thing Paul did that he could not do in long leaf—

he used to mark his own logs, so that he could tell them from logs belonging to other people, by pinching a piece out of each one. He might have done that with white pine—that soft, easy-working, pattern material—but he would have had a sore thumb and finger before he got through with the first skidway of long leaf, with its six, eight, twelve rings of growth per inch and its tough, resistant fiber.

Long-leaf pine is the strongest softwood in the world. Just to prove it, let us take a few tests made by the Government, that impartial judge. We are taking these from R. S. Kellogg's book, "Lumber and Its Uses." Also, when we say long leaf is the strongest softwood grown in America, we mean by strength—the ability of a timber to resist stress and deformation. There are several tests of strength. The big one is "breaking strength," which means placing a stick of lumber on supports at each end and then loading it until it breaks.

Here is a condensed table, showing the comparative breaking strength of various woods:

Wood	Pounds Stress
Long-leaf pine	8630
White oak	8160
Post oak	7380
Elm, white	6950
Cypress	7110
Redwood	7000
Douglas fir	6340
Black ash	6000
Spruce	5700
Norway pine	6430
White pine	5310

Rather startling figures. What uninformed persons would consider long-leaf pine superior to white oak? Yet the Government says it is in this particular test.

Another comparison between long leaf and several others is also brought out by Mr. Kellogg:

Wood	Breaking Strength, Green	Breaking Strength, Dry
Long-leaf pine	8,630	12,600
Cypress	7,110	7,900
Douglas fir	6,340	7,900

In other words, when it is dried, it is better than other woods in still a greater degree than when in a green state.

Noble long leaf!

We are going to gather up some more facts and tell you about them in this space next week.

To Build 105 Residences at Corpus Christi.

Corpus Christi, Texas.—Organization of the Del Mar Co., Inc., has been announced by Austin L. Wright of San Antonio for building 105 residences in the Del Mar addition of Corpus Christi. Mr. Wright is the trustee of the Del Mar holdings, it is stated, and has interested a number of other business men in the enterprise. Construction has begun on the first ten dwellings and work on others will be started at once. The proposed residences will be of Spanish, Moorish, English and Colonial architecture to range in cost from \$6500 to \$25,000. Officers of Del Mar, Inc., include Bus H. Krausse, San Antonio, president and treasurer; Allen F. Barnes, Dallas, vice-president, and Frost Carvel, San Antonio, secretary.

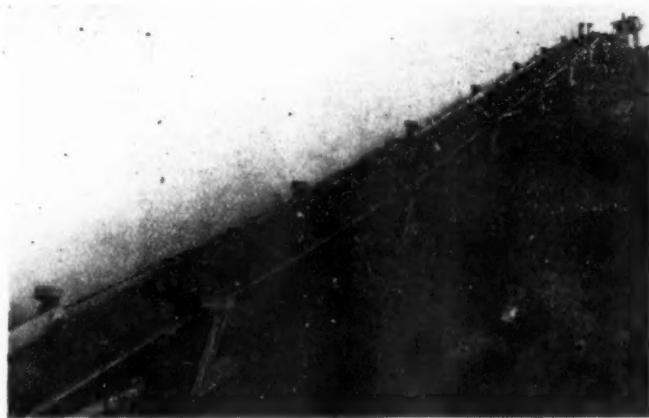
James C. Willson & Co., Louisville, Ky., in association with New York interests, has purchased \$2,500,000 of Louisville school bonds and \$1,000,000 worth of University of Louisville bonds, the issues being gold notes of a term of 40 years, dated May 1, 1926.

MECHANICAL

Swing Conveyor Run by Electricity.

This swinging conveyor is little more than a plain metal trough of any desired length from only a few feet up to 300 feet. In operation the entire trough swings back and forth about twelve inches at a rate of about 60 or 65 cycles per minute, and the Ironton Engine Co. of Ironton, Ohio, its manufacturers, emphasize its simplicity and dependability. It is operated by electric power, and the driving mechanism, combined with the swinging arms, gives an upward accelerated swinging movement much like the swinging movement of hand shoveling. As in hand shoveling, the trough moves forward slowly, but rapidly increases speed as it swings forward and upward, and then stops suddenly, finally returning slowly to begin another movement. With each stroke the material that is being conveyed slides forward in an unbroken column at a speed that is surprising.

Each section of the conveyor is composed of trough, hanger and spacer, only three parts in all, which are assembled as a unit without bolts. The troughs are made of sheet metal in a zigzag form with curled edges to make them stiff, and they are held together by a simple ball and socket coupling, the ball at one end of each section dropping into a socket in the adjoining end of the next section. There are no bolts or other parts to be lost, and coupling and uncoupling are quickly done. The hangers are steel castings mounted on structural steel, and two swinging arms connected by a bar-steel axle form the sling which supports the trough. There are no loose bolts or other separate parts to be adjusted. Mounting a trough means only to set it upon the hanger so that the saddle on the bottom of the trough drops over the axle of the hanger. As for the spacer, which preserves the correct distance between the hangers, it is held at each end by a plain turnbuckle, which is tightened or loosened by hand without tools. Two men can easily handle any of the three



SHOWING THE CONVEYOR AT WORK.

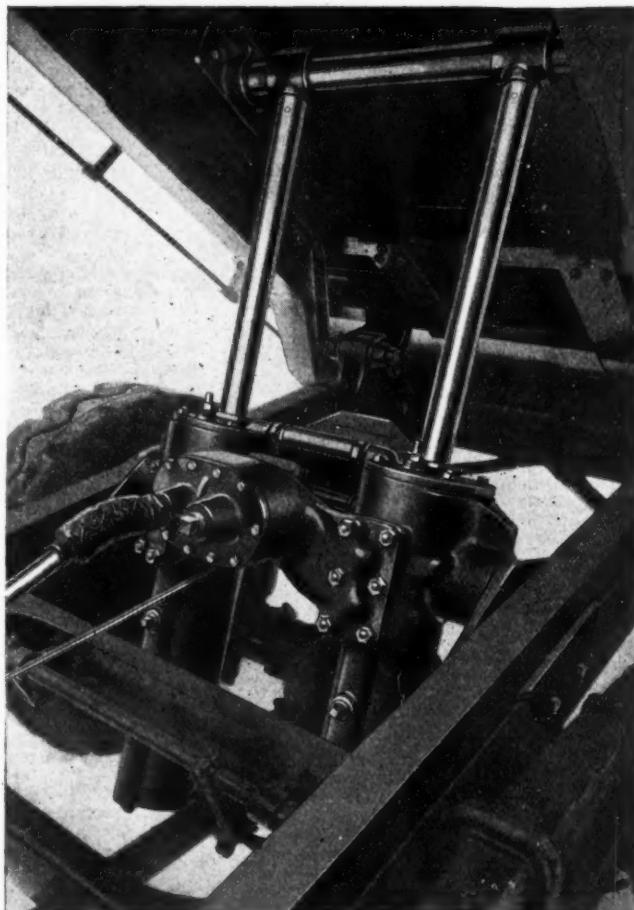
sectional parts, and thus add or withdraw a section in a few seconds. The range of action of these conveyors includes work on a level or downgrade or upgrade; it has moved material upgrade as much as 7 per cent at the rate of a ton a minute.

The driving engine is a motor that is connected through worm gearing and a crankshaft to a bell crank, all being mounted in strong metal housings, fully enclosed. Action is imparted to the trough by a connecting rod from the bell crank.

Improved Hydro Hoist.

Some important changes in the design of the Heil Hoist have been made by The Heil Co., Milwaukee, Wis. They are, it is stated, of a decided importance to dump truck operators, because they make possible higher dumping angles, reduce weight and do away with all oil troubles. The picture shows a Model 4S-26 hoist mounted on a 3-ton truck. The application of power is direct. The hoist swings on its saddles.

The gear pump in the manifold develops the pressure and



HOIST MOUNTED ON 3-TON TRUCK.

forces the oil down the oilways on the front of the cylinders and under the piston head. This pressure raises the load. As the piston rods move out of the cylinders a supply of oil from the oil reservoir is required to take their place. This reservoir is now cast integral with the hoist cylinder, replacing the sheet metal tank, and connections. This construction prevents all possibility of oil tank leaks and permits servicing any part of the hoist without removing any part not requiring service.

The head of oil in the reservoir is now below the piston rod gland nuts instead of above preventing all possible chance of oil leaks around the piston rod. This together with the elimination of the oil tank will keep the hoist clean and free from oil accumulations.

The distance between the piston head and the cylinder head when the hoist is in extreme raised position has more than doubled, giving a better support and greater rigidity to the piston rod.

The oil capacity of the new style 4S-26 hoist is 16 quarts whereas the oil capacity of the old 4S hoist was 20 quarts. All other models have been reduced in proportion. The weight of the hoist filled with oil has been reduced from 20 to 40 pounds, a very important amount for haulers in some states.

CONSTRUCTION DEPARTMENT

EXPLANATORY

Additional information is published about all enterprises mentioned in this department as soon as such data can be obtained.

An asterisk (*) following an item indicates that the enterprise has been reported in a preceding issue.

DAILY BULLETIN

The Daily Bulletin is published every business day to enable its subscribers to follow up promptly the industrial, commercial, railroad, financial, building and general business development of the South and Southwest. To machinery manufacturers and dealers, contractors, engineers, and others who require daily information of every new enterprise organized and details about important additions to enterprises already established, the Daily Bulletin is invaluable. Subscription price, \$30.00 a year.

Airplane Plants, Stations, Etc.

Fla., St. Augustine—East Coast Airways, Inc., Edward G. Smith, Sec., Box 85, let contract to St. Augustine Building Co. for 60x90-ft. building; cement floor, tile roof, construction under way; work includes runway to beach, bath houses, sandwich shop, water supply, etc. (See Machinery Wanted—Airplanes.)*

Bridges, Culverts and Viaducts

Proposed Construction

Florida—State Road Dept., Fons A. Hathaway, Chmn., Tallahassee, and State Highway Dept., East Point, Ga., interested in free bridge on Dixie Highway across St. Mary's River at Georgia and Florida state line, north of Jacksonville.

Fla., Apalachicola—Apalachicola Bay Bridge Co., C. A. Paquette, Pres., Chicago, Ill., reported to begin construction 6-mi. Gorrie Bridge across Apalachicola Bay; J. L. Proskine, Engr., Madisonville, Ky.

Fla., Sarasota—Tampa Southern R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., contemplates bridge across Miakka River 15 mi. from Sarasota; plate girder with pile trestle approaches.

Fla., Sebring—City, A. M. Wolfe, Clk., receives bids June 1 for reinforced concrete arch bridge across South Arm of Lake Jackson; plans from E. M. Clawson, City Engr.

Ga., Woodbine—Seaboard Air Line Ry. Co., W. D. Fauchette, Ch. Engr., Savannah, plans bridge across Satilla River, near Woodbine.

La., Rhinehart—Louisiana Highway Comm., Baton Rouge, plans bridge across Old River, near Rhinehart; W. B. Roberts, State Highway Engr.

Miss., Hazlehurst—Copiah County Board of Supervisors, receives bids for bridge on Georgetown and Bethesda road.

N. C., Windsor—Bertie County will build 5 bridges and 4 culverts. See Roads, Streets, Paving.

S. C., Edgefield—Edgefield County Commrs. plan bridge across Stevens Creek, 8 mi. southeast of Edgefield.

S. C., Spartanburg—Spartanburg County Highway Comm. receives bids May 25 for 120-ft. steel bridge over North Pacolet River on Mills Gap Road, known as Camp's Bridge; 94-ft. steel approaches, concrete pedestals for 2 steel bents; plans from H. B. Humbert, County Engr.; J. M. Barry, Clk.; J. B. Caldwell, Chmn.

Tennessee—State Highway Dept., Nashville, plans 3 bridges: Over Tennessee River, on Waverly-Camden road, between Humphreys and Benton Counties; on Linden-Lexington Highway, between Perry and Decatur Counties; over Cumberland River. Gainesboro-Red Berling strips road, Jackson County.

Tenn., Chattanooga—See Roads, Streets, Paving.

Tenn., Chattanooga—Southern Ry. System, B. Herman, Ch. Engr., Washington, D. C., plans viaduct at East Third St., over tracks of 3 railroads: 440 ft. structural steel trusses, 1140 ft. reinforced concrete and retaining wall approaches, bituminous roadway, 4600 cu. yds. reinforced concrete, 380 tons reinforcing steel, 350 tons structural steel.

Tenn., Elizabethton—Town plans expending \$100,000 for bridge across Doe River at Elk Ave. Address Town Clk. See Financial News—Bond Issues Proposed.*

Tex., Carthage—Panola County, Thos. E. Boren, County Judge, plans .289 mi. grading and overhead crossing over G. C. & F. S. Ry. on Highway No. 8, Grand Bluff Road, for 18-ft. concrete deck girder, 22-ft. con-

crete deck girder spans, six 29-ft. reinforced concrete bents; estimated cost \$25,000; D. E. Martin, County Engr.

Tex., Clarksville—Red River County, Geo. Morrison, County Judge, Franklin County, B. O. Shurtliff, County Judge, Mt. Vernon, plans timber and concrete bridge across Sulphur River, on Bogota-Winnsboro Rd., between Red River and Franklin Counties; estimated cost \$14,000.

Tex., Houston—City, O. F. Holcombe, Mayor, plans expending \$20,000 to repair Preston Ave. Bridge; J. C. McVea, City Engr.

Tex., Jasper—State Highway Comm., Hal Moseley, Chmn., Austin, contemplates Neches River Bridge between Evadale and Silsbee.

Tex., Lagrange—State Highway Dept., Austin, plans repairing double-span girder bridge near Lagrange, on Highway No. 72, recently damaged by storm.

Va., Portsmouth—Norfolk County Comm. of Roads and Bridges, R. B. Preston, Road Engr., receives bids May 7 for pivot pier for draw span of Southern Branch Bridge; plans on file.

Contracts Awarded

Fla., St. Petersburg—Snell Isles and Shore Acres Co. let contract to E. W. Coons Co., Hibbing, Minn., at about \$100,000, for 300-ft. concrete bridge over Smack Bayou; replace frame structure.

Ky., Spottsville—Louisville, Henderson & St. Louis Ry Co., H. N. Wood, Constr. Engr., let contract at about \$250,000 for steel and creosoted pile bridge over Free River: 260-ft. draw, two 154-ft. through trusses; Louisville Bridge & Iron Co., Eleventh and Oldham Sts., for steel; Gould Contracting Co., foundation and erection.*

Md., Beaverdam—Empire Construction Co., 31 S. Calvert St., Baltimore, awarded contract, at about \$32,000, for bridge at Beaver-dam.

Okla., Oklahoma City—Oklahoma County Comr., let contracts for 3 bridges: On May Ave., north of Ave. G, H. M. House & Co., 637 W. Main St.; over Little Chisholm Creek, west of Edmond, J. W. Williams; on Ave. G, in Prosper Park, E. J. Wells.

S. C., Spartanburg—State Highway Dept., Columbia, let contract to Latimer & Peake, Columbia, at about \$28,797, for 323-ft. reinforced concrete bridge across Pacolet River.*

Canning and Packing Plants

Fla., Bartow—Vet L. Brown, Roger B. Lyle, reported interested in establishment of grapefruit cannery.

Fla., Elfers—John Gribbel, Joseph M. Knight and others interested in organizing company to build and operate fruit-packing plant.

Fla., West Bay—See Land Development.

Tex., Kerrville—Kerr County Truck Growers Assn., incorporated; J. M. Morris, H. L. Crate; erect canning plant.

Clayworking Plants

Ala., Birmingham—McMillan Clay Products Co., capital \$150,000, incorporated; O. S. Adams, Sec., reported has 137-acre site adjoining North Birmingham; erect clay products manufacturing plant, daily output 75,000 shale building and paving brick.

Fla., Bunnell—Roberts & Miller reported to construct brick and tile plant.

Fla., Manatee—George E. Dunan, Bradenton, reported to establish plant with daily capacity 28,000 bricks.

Fla., Sarasota—West Coast Brick Corp., 124 Central Ave., Chas. C. Mitchell, Sec., will erect plant with daily output 50,000 bricks;

122x92 ft., concrete and frame, concrete floors, wood roof, cost \$100,000, install brick presses; Hadfield-Penfield Steel Co., Bucyrus, Ohio, equipment contractors. (See Machinery Wanted—Engine; Boiler; Derricks.)

Miss., Corinth—Corinth Brick Co., Inc., advises have no definite plans as yet for rebuilding burned plant.*

Coal Mines and Coke Ovens

Oka., Poteau—Earl Wells and Frank Barron of Henryetta acquired the Sorrel coal mines; will develop.

W. Va., Clarksburg—The Gulf Roan Smokeless Coal Co., capital \$300,000, incorporated; Levi W. Keaster, Geo. G. Lynch.

Concrete and Cement Plants

Tenn., Cumberland Gap—Tri-State Concrete Products Co., 230 W. Clinch St., Knoxville, capital \$50,000, incorporated; J. E. Gervin.

Tex., Alamo—G. A. Swallow, Mgr., Deer Creek Stone Quarries, Topeka, Kan., reported contemplating establishing cement block plant.

Cotton Compress and Gins

La., Ossun—Ossun Farmers Gin Co., Inc., capital \$12,000, incorporated; Bazil Sonnier, Box 98, Scott, R. F. D. No. 1.

Miss., Forrest—A. R. Williams, Yazoo City, will erect gin, ice plant and light and power plant.

Okla., Sapulpa—Burdett Gin Co., capital \$15,000, incorporated; W. S. Burdett, Ott Reeves, both Ada.

Okla., Sentinel—Sentinel Co-Operative Gin Co. will erect cotton gin.

Okla., Vera—Beasley Gin Co., capital \$10,000, incorporated; J. S. Beasley, W. H. Mundy, both Ada.

Tenn., Memphis—Douglas Brooks, Goodwyn Ave., acquired old navy yard compress; will use as one of the presses of Union Compress Co.*

Tenn., Memphis—Lesser-Goldman Cotton Co., 301 E. Second St., Little Rock, Ark., and Federal Compress & Warehouse Co., reported interested in merger of cotton compress companies.

Tex., Greenville—Liberty Ginning Co. reported acquired gin properties in Hunt and Fannin Counties from Hunt County Oil Co., including plants at Celeste, Lane, White Rock, Hickory Creek, Wolfe City, Fairlie, South Sulphur.

Tex., Houston—Manchester Terminal and Compress Co., Col. R. H. Baker, Chmn. of Board of Seaboard Life Insurance Co.; J. K. Dorrance, V.-P. Houston Cotton Exchange, and others reported interested in contract to Don Hall Construction Co., Cotton Exchange Bldg., for \$5,000,000 cotton compress and warehouse on Houston Ship Channel to handle annual crops of Oklahoma Cotton Growers' Assn.; work on first unit begun; 3 more units will be built eventually; 2 stories, reinforced concrete, 750,000 sq. ft. floor space; capacity 200,000 bales cotton; dock will be 1500 ft. long; 2 high density presses will be housed in first unit besides compress and warehouse; Robt. J. Cummins, Houston, is drawing plans for terminal and compress plant.

Tex., Rice—Rutherford Gin Co., capital \$20,000, incorporated; G. G. Rutherford, R. L. Hamilton.

Cottonseed-Oil Mills

La., Monroe—Union Oil Mill Co., West Monroe, will rebuild burned portion of mill; steel and sheet iron; 1-story; 50x360 ft.; concrete floors; sheet iron roofing; concrete

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foundation; cost of building \$35,000, cost of machinery, \$5000; Denham-Vankeuren & Denham, Age Herald Bldg., Birmingham.*

Tex., Houston—South Cotton Oil Co., 25th and Ashland Sts., increased capital, \$1,250,000 to \$1,600,000.

Drainage, Dredging and Irrigation

La., Baton Rouge—Louisiana Highway Comsn. let contract to United States Dredging Co. at \$590,000 for muck ditch and embankment on portion of Lake Shore section of the New Orleans-Hammond highway; about 5.35 mi. in length and that portion across St. Charles Parish.

Tex., Paris—B. F. Williams, State Reclamation Engr., interested in creation of 14,000 acre drainage district along North Sulphur River, in both Lamar and Delta Counties; estimated cost \$210,000.

Tex., San Antonio—Ed. Goeth, Corpus Christi Rd., and associates have permit to irrigate 277 acres in Bexar County, pumping from Medina and San Antonio rivers.

Electric Light and Power

Large sums are being expended for electric light and power work in connection with Land Development operations. Details will be found under that classification.

Fla., Apalachicola—City Commr. voted to remove overhead wires and install white way system.

Ga., Cochran—City reported closed contract with South Georgia Power Co., Albany, for sale of electric light and ice plant.

Ky., Morehead—Kentucky Power Co. reported acquired municipal light and power plant; will construct a 2000 kw. plant.

Ky., Owensboro—City will rebuild switchboard for electric light plant; Will Watson, Supt., Light Dept.

Md., Damascus—Damascus Light & Power Co., Wm. H. Burdette, Pres., Mount Airy, will construct distribution line from Ridgeville to Damascus; power furnished from Potomac Edison Co., Frederick; also erect 3 miles of pole line from Claggettsville to Kempton; C. C. Riddlemoser, Contr., Mount Airy.*

Md., Princess Anne—Public Service Comsn., Munsey Bldg., Baltimore, granted permission to construct transmission line along State Road, from western limits of Princess Anne to St. Stephens' Church.

Miss., Centerville—See Water Works.

Miss., Moss Point—See Miscellaneous Enterprises.

N. C., Elizabeth City—Virginia Electric & Power Co., Richmond, Va., reported to construct high tension power line into Elizabeth City.

N. C., Rocky Mount—Carolina Power & Light Co., Raleigh, is having survey made for transmission line from Rocky Mount to Zebulon via Wilson, erect line from Littleton to Rocky Mount; has contract with Atlantic Coast Line Railway Co. for supplying power at Emerson shops at South Rocky Mount.

N. C., Tarboro—Virginia Electric & Power Co., Richmond, Va., reported to furnish electric power to Hart and Fountain Cotton Mills; also acquired power station of these mills located on Tar River; will improve and use for auxiliary source of power; construct transmission line from Roanoke Rapids to Tarboro.

Oklahoma—Middle West Utilities Co., 1500 Edison Bldg., 72 W. Adams St., Chicago, Ill., purchased majority of common stock of Southwestern Light & Power Co., 40 Exchange Place, New York, operating in 9 counties in southwestern corner of Oklahoma and 4 adjacent counties of Northern Texas; Southwestern Light & Power Co. has about 300 miles of transmission lines and serves 27 communities, including Lawton, Duncan, Waurika and Frederick, Okla., and Chillicothe and Quanah, Tex.*

Okl., Blackwell—Jos. J. Henry, representative of American Utilities Co., reported interested in merger of 6 utilities corporations in northern Oklahoma, including Blackwell Gas Co., Blackwell-Tonkawa High Line Co., Hominy Gas Co., Cushing Gas Co. and Billings Electric Co.; Battles & Co., 131 S. Fifth St., Phila., Pa., reported to finance deal; Gannett, Seelye & Fleming, Engrs.

S. C., Lowrys—Southern Public Utilities Co., J. V. Brookshire, Mgr., Chester, reported to extend transmission line.

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Tex., Miles—West Texas Utilities Co., Lubbock, reported erecting \$40,000 substation.

Va., Lynchburg—Lynchburg Traction & Light Co., J. W. Hancock, Gen. Mgr., reported transferred electric lighting and power plants to Appalachian Electric Power Co., Bluefield, W. Va.; other companies acquired are Consolidated Power & Light Co., Huntington, W. Va.; West Virginia Water & Electric Co., Charleston, W. Va.; Dunbar Light & Power Co., St. Albans Electric Power & Light Co., Inter-State Power Co., Kentucky & West Virginia Power Co., Inc., 30 Church St., New York; Appalachian Power & Light Co., Appalachian Power Co., Roanoke Railway & Electric Co., Roanoke; Lynchburg Traction & Light Co., New River Development Co., Bluefield, W. Va.; Central Virginia Power Co., Amherst; Boyd County Electric Co., Ironton, Ohio; Kanawha Valley Power Co., Charleston, W. Va.; properties will be under supervision of American Gas and Electric Co., 30 Church St., New York.

Flour, Feed and Meal Mills

Mo., Kansas City—Kansas Flour Mills Co., North Kansas City, and Valier and Spies Milling Co., Pierce Bldg., St. Louis, reported merged into Flour Mills of America, Inc.; milling capacity of 25,000 bbls. flour daily, and 7,000,000 bu. grain storage space; authorized capital \$60,500,000; incorporated in Maryland with Thad L. Hoffman, Pres., Kansas City; Charles Valier, V.-Pres., St. Louis.

Mo., Wellsville—Leader Milling & Elevator Co., capital \$20,000, incorporated; Ed Knipfel, Sam Woods.

Tenn., Franklin—Lillie Mill Co., C. H. Corn, Prop., will construct elevator with 600 bbls. flour and 500 bu. meal, 40x100 ft.; concrete floors, concrete roof; will install separator, 2000 bu. scale elevator, conveyor, motors, etc.; Horner & Wyatt, Archts., 300 Board of Trade Bldg., Kansas City, Mo.; Industrial Engineering Co., Contrs., Kansas City. (See Machinery Wanted—Separator; Scales; Motors; Steel Metal Fire Doors, etc.)

Foundry and Machine Plants

Ala., Sheffield—King Manufacturing Co., 230 S. Clark St., Chicago, Ill., let contract to C. P. Norris, 1220 S. Eleventh St., St. Joseph, Mo., for \$150,000 foundry, main building 140x180 ft., structural steel and corrugated iron siding, fireproof; office building 2 story, 24x40 ft., brick, and several core ovens; structural steel furnished by St. Louis Structural Steel Co., St. Louis, Mo.*

Ark., Little Rock—Arkansas Foundry Co., J. J. Schmelzer, Purchasing Agent, will make plant addition; install equipment for small ornamental iron and wire window guard shop. (See Machinery Wanted—Ornamental Iron Working Tools.)

Md., Cumberland—Ajax Cement Block Co., H. D. Airesman, Gen. Mgr., National Highway, will erect foundry for manufacture brass and aluminum castings; install cupola, non-crucible melting furnace, cranes, pattern shop, etc. (See Machinery Wanted—Foundry Equipment.)

N. C., Gastonia—Ferguson Gear Co., Richard Ferguson, Pres.-Treas., erecting additional buildings, increasing capacity.

Tex., Houston—R. C. Fullbright, 1202 State National Bank Bldg., will erect machine shop; 1-story, 20x60 ft.; construction by owner.

W. Va., Huntington—Farm Tractors—Mitchell Tractor Co., capital \$125,000, incorporated; L. J. Mitchell, James A. Brady, of Barboursville.

Gas and Oil Enterprises

Ala., Albany-Decatur—Pan-American Oil Co. reported to erect 5-tank distribution station.

Ark., Conway—Continental Oil Co., S. Front and Deer Sts., will construct oil depot, brick and stucco, steel and concrete storage tanks.

Fla., Palm Beach—Palm Beach Gas Co. reported to double capacity of plant; acquired site for storage tanks; let contract to Chicago Bridge & Iron Works, Chicago, Ill., for 1 Horton Sphere, 60 ft in diam., capacity 450,000 cu. ft. of gas; to Babcock & Wilcox, New York City, for 275-h. p. Stirling boiler; to Gas Machinery Co., Cleveland, Ohio, for 9-ft. generator, with capacity 2,000,000 cu. ft. of gas daily; Ingersoll-Rand Co., New York, compressor for pumping gas, capacity 75,000 cu. ft. per hour; will install steam accumulated, 30 miles pipe line, erect storage warehouse.

La., Lake Charles—Vacuum Oil Co., W. C.

Thomas, Gen. Mgr., reported to expend \$500,000 for constructing 6 tanks of 80,000-bbl. capacity each in Rose Bluff section; has site of 200 acres; install 12-in. discharge line and 16-in. suction line; Chicago Bridge & Iron Co., 37 W. Van Buren St., Chicago, will build tanks.

Miss., Waynesboro—Pan-American Petroleum Co., E. D. Graham, Local Mgr., will install two 18,000-gal. capacity tanks.

Mo., Joplin—Wilhoit Refining Co., Springfield, expending \$100,000 for additional equipment, including construction of 2 oil tanks, each with capacity of 2000 bbls., bolted steel construction.

Mo., Springfield—Springfield Gas & Electric Co., A. E. Reynolds, V.-Pres. and Gen. Mgr., reported to improve and enlarge mains; expand \$100,000.

Okla., Bartlesville—Phillips Petroleum Co. reported to construct gasoline plant; 3 units, capacity 3,000,000 cu. ft. gas daily.

Okla., Okmulgee—Biehl Drilling Co., capital \$25,000, incorporated; C. B. Bunte, 100 S. Miami Ave.

Okla., Seminole—Canyon Oil Co., capital \$150,000, incorporated; Frank Kuppenberger, M. E. Templeton.

Tex., Childress—Upham Gas Co., C. R. Upham, Pres., reported to construct 12-in. gas line from Wheeler County field to Wichita Falls, 356 miles long.

Tex., Fort Stockton—Quinby Oil Co., capital \$50,000, incorporated; Howell Johnson, Frederick Quinby.

Tex., Fort Worth—Blackstone Oil Co., capital \$25,000, incorporated; R. S. King, R. R. Thompson.

Tex., Houston—Houston Pipe Line Co., subsidiary of Houston Oil Co. of Texas, Scanlon Bldg., reported completed survey for 70-mile 16-in. pipe line from Lucas to Cole gas field in Webb County, let contract to MacPherson & Mitchell for laying pipe line.

Tex., Laredo—Pro-Texas Oil Co., capital \$10,000, incorporated; Joseph Rosenblum, A. J. Tebe.

Tex., Rockdale—Triangle Oil & Gas Co., capital \$15,000, incorporated; E. H. Noack, H. O. Quebe.

Tex., Wichita Falls—Houghland Production Co., capital \$150,000, incorporated; C. W. Houghland, 1910½ Eighth St.

Va., Alexandria—City, Paul Morton, Mgr., considering extension of gas service to Del Ray, St. Elmo and Braddock.

Ice and Cold-Storage Plants

Fla., St. Petersburg—Williams-Beers Ice Co., Ninth St. and First Ave., let contract to Chas. DuBois, 2754 Fifth Ave., N., for \$40,000 ice plant; 90x115 ft., concrete and steel, concrete and wood floor, composition roof; daily output 60 tons; equipment furnished by De LaVergne Machine Co., Foot E. 138th St., New York City; Armstrong Cork Co., Pittsburgh, Pa.; Stevenson Cold Storage Door Co., Chester, Pa.; H. W. Dupont, Lewis Bldg., St. Petersburg.*

Miss., Pascagoula—Commonwealth Utilities Corp. of St. Louis, Mo., reported acquired the plant of Pascagoula Ice Co.; will expend probably \$100,000 on improvements; installing machinery, increasing capacity from 30 to 50 tons.

Mo., Kansas City—Federal Ice Co., incorporated; F. H. Mohr, 5609 Lydia St.

N. C., Durham—Durham Produce Co., Blackwell St., let contract to N. Underwood, First Natl. Bank, Durham, for \$40,000 refrigeration plant, cor. Dillard and Ramseur Sts.; 1-story and basement, brick and reinforced concrete; install equipment; capacity about 15 cars.*

Iron and Steel Plants

Tenn., Memphis—Pittsburgh Steel Co., Union Trust Bldg., Pittsburgh, Pa., will occupy new building on Front St.; W. E. Stansbury, 244 Stonewall Pl., Owner, has begun construction of 2-story, 90x170 ft., reinforced concrete and steel structure; J. T. Wallace, Archt., Bank of Commerce Bldg.

Land Development

Ala., Mobile—Sea Coast Land Co., incorporated; Peyton Norville, 257 S. Georgia Ave.

Ark., Fayetteville—J. W. Taylor acquired orchard of 140 acres.

Ark., Hot Springs—D. A. McDougal, Sapulpa, Okla., reported acquired 48,000 acres.

D. C., Washington—Eaton & Martin, Denrite Bldg., incorporated; J. S. Eaton and J. Letton Martin.

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CONSTRUCTION DEPARTMENT

Fla., Arcadia—Central Florida Farms, Inc., 612 N. Michigan Ave., Chicago, Ill., Roy A. Stanton, Local Mgr., will develop 15,000 acres for farming; construct roads and drainage; M. E. Albritton, Constr. Engr., Arcadia. (See Machinery Wanted—Clearing Machinery; Graders; Tractors; Ditching Machinery.)

Fla., Deland—J. C. Sewell Realty & Development Co. is developing 15-acre park; will construct streets, white-way system, sidewalks, playgrounds, tennis courts; expend \$50,000; Royal Oaks Cement Construction Co., Gen. Contrs.; A. Mechen, Constr. Engr.; A. W. Fred Rehbehn, Landscape Archt.; all Deland.

Fla., Eau Gallie—City will construct golf course and recreational grounds. See Financial News—Bond Issues Proposed.*

Fla., Jupiter—Felix D. Doubleday & Co., Palm Beach, reported acquired 100 acres on Palm Beach Point; will develop.

Fla., Lakeland—City votes June 1 on \$1,500,000 bonds for developing civic center on Mirror Lake, improve other lakes and extend sewer system. Address The Mayor.

Fla., Lake Worth—George W. Krick acquired tract of land in Millers addition.

Fla., Miami—City, R. M. Davidson, Mgr., let contract to Coral Gables Construction Co., Ponce de Leon Blvd., Coral Gables, for clearing and leveling and landscaping for city park in Granada section of Coral Gables.

Fla., Miami—C. Carl Adams, Pres., Opa-Locka Co., 132 E. Flagler St., is developing Opa-Locka subdivision; let contract to Everglades Construction Co., Hialeah, for 45 miles of street paving; will construct 18-hole golf course.

Fla., Orlando—Orange County Land Co., 101 N. Orange Ave., S. S. Philbrick, Pres., plans development of 15,000 acres for small farms.

Fla., Orlando—Wm. Beardall, 23 E. Central Ave., Pres., Orlando Country Club, is having plans prepared by W. D. Clark for golf course.

Fla., Sarasota—Osceola Holding Co. will develop 40 acres for subdivision.

Fla., Venice—Charles Schear of Schear Motor Co., Cincinnati, O., acquired 30 acres.

Fla., West Bay—Seminole Plantation Co., Ernest Pope, Pres., 100 E. Forty-second St., New York, has 7,000 acres; will develop 850 acres for oranges and grapes, 640 acres cleared and plowed; expend \$3,000,000; erect warehouses, packing houses, dwellings; construction by company. (See Machinery Wanted—Doors and Windows; Concrete Products Molds; Reinforcing Steel.)

Ga., Atlanta—James S. Floyd, 280 Prado St., and associates acquired 117 acres on Habersham Rd.; develop subdivision.

Ga., East Point—Southland Development Co., Atlanta, M. D. Dobbs, Sales Mgr., is developing Southland subdivision.

Ky., Brandenburg—Brandenburg Realty Co., capital \$10,000, incorporated; W. A. Baskett, E. J. Applegate.

La., New Orleans—Suburban Coast Realty Co., Inc., capital \$25,000, incorporated; Frank C. Glaser, L. L. LaCroix.

La., New Orleans—Waveland Developing Co., capital \$25,000, incorporated; Ralph F. Barlow, 2122 Audubon Place.

La., New Orleans—Yrator Realty Co., Inc., capital \$20,000, incorporated; Paul Freund, 315 Chartres St.

La., New Orleans—Priest, Montagnet & Roskro, Inc., capital \$30,000, incorporated; Walter Priest, 7004 St. Charles Ave.

Md., Frederick—Frederick Homes Corp., Charles W. Hopkins, Pres., Silver Springs, acquired 100 acres; develop subdivision; construct streets, ornamental entrance; install city water and electricity; M. J. Grove Lime Co., grading contractor.

Miss., Biloxi—W. S. Hawkins, Engr., is surveying 15,000 acres in Harrison and Hancock counties for agricultural purposes.

Miss., Stafford Springs—J. M. Perry will receive proposition on May 18 for surveying Stafford Springs property, landscaping, making plats, etc., preparatory to general work of architecture which will be supervised by local architect.

Miss., Natchez—Davis-Merrill Ins. Co., Lowenburg Bldg., will develop subdivision on Oak St.; H. R. Rhodes, Civill Engr.

Miss., Natchez—Charles Brasfield, 405 S. Pearl St., will develop The Cedars subdivision.

Mo., Clayton—Wolff Estate Realty Corp., capital \$22,000, incorporated; Christian C. Wolff, 309 Central St.

Mo., Crescent—E. H. Smith, 6625 Delmar Blvd., St. Louis, will develop subdivision.

CONSTRUCTION DEPARTMENT

Manufacturers Record

Mo., Kansas City—R. L. Winter & Co. acquired 95 acres; will develop.

Mo., Kansas City—Burton Building & Investment Co., 909 Grand Ave., will develop 16,000 acres farm land in Taney County.

Mo., Springfield—City plans enlarging state park at Sequoia; erect buildings, provide for tourist camp; John W. Scott, Supt.

Mo., St. Louis—Stedelin Brothers Poultry Co., 823 N. Fourth St., acquired tract; will develop subdivision.

Mo., St. Louis—Karm-Gaffney-Hartney Real Estate Co., incorporated; E. J. Karm, 6748 Chamberlin St.

Mo., St. Louis—E. H. Smith Realty Co., capital \$20,000, incorporated; E. H. Smith, 4122 McRee St.

Mo., St. Louis—Albert T. Terry, 823 Chestnut St., and A. R. Schollmeyer Real Estate Co. will develop Ridgetop Acres subdivision.

N. C., Albemarle—Albemarle Country Club, Inc., A. C. Heath, will develop 140 acres for club golf links, tennis courts, subdivision; install roads and streets.

N. C., Asheville—Biltmore Properties, Inc., capital \$50,000, incorporated; James McKay, A. B. Burit.

N. C., Asheville—Ashevile Developers, Inc., F. Russell Smith, Pres., Norwich, Conn., will develop Fontainebleau, 112-acre subdivision; install water, sewers, paved streets, boat house.

N. C., Asheville—John P. Brown and R. J. Bateman, Jr., Carolina Apts., developing tract at Blowing Rock section on Linville River.

N. C., Asheville—Linville River Estates, J. P. Brown, will develop 100 acres for home sites, install electric lights, water, telephones, hard surfaced roads.

N. C., Asheville—Harmon Miller, 171 Montford Ave.; R. L. Ellis, 52 Edgemont Rd., acquired 2100 acres in McDowell and Burke counties embracing town of Bridgewater; develop subdivision.

N. C., Asheville—W. Floyd Byram, 10 Church St., developer of Sulphur Springs Park, let contract to R. M. Ramsey, Asheville, for dam to impound water in 22-acre lake; construct piers for boating and swimming.

N. C., Burlington—Burlington Real Estate Co., capital \$100,000, incorporated; H. C. Pollard, J. E. Carrigan.

N. C., Charlotte—Crystal Springs, Inc., capital \$100,000, incorporated; F. B. Howard, R. L. Moore.

N. C., Charlotte—H. J. Dunavant, 610 Queens Road; O. J. Thies, 612 Providence Road, both Myers Park, Charlotte, acquired 10,000 acres in Mitchell County.

N. C., Marion—Mountain Lakes Estates, Inc., capital \$100,000, incorporated; D. F. Giles, Marion, G. L. Williams, Raleigh.

N. C., Naples—Idlewild Development Co., M. R. Hilsford, Pres., 48 Patton Ave., Asheville, developing 30-acre lake and 300-acre subdivision.

N. C., Waynesville—Florida Investment Co., capital \$50,000, incorporated; J. T. Walker, A. A. Buck.

N. C., Wildacres—Dr. Thomas Dixon, Pres., Mt. Mitchell Assn. of Arts and Sciences, Executive Office, 61 Haywood St., Asheville, is developing summer assembly at Wildacres, in Little Switzerland area of Western North Carolina; will install water, sewers, white way.

N. C., Wrightsville Beach, P. O. Wilmington—Shore Acres Co., A. E. Flitkin, 165 Broadway, New York, J. V. Grainger, Pres., Murchison National Bank, 201 N. Front St., Wilmington, Directors, are developing subdivision on Harbor Island and adjacent lands adjoining Wrightsville Beach, connected with mainland by mile long causeway now being constructed; tract contains 2000 acres; construction work under supervision of General Engineering & Management Corp., 165 Broadway, New York; contract has been let for increasing size of Harbor Island and filling in edges for residential purposes; plans include 5-year development program; install water, sewers, electric lights.*

Okla., Blackwell—Blackwell American Legion and City of Blackwell will expend \$15,000 for developing 12 acres for playground and park; build swimming pool and dancing pavilion. Install playground equipment. (See Machinery Wanted—Playground Equipment.)

S. C., Anderson—Home Realty Co., incorporated, J. Alexander Neely, Jr., Robert L. Ballentine.

S. C., Columbia—Fairview Realty Co. incorporated; W. C. Powell, J. Davis Powell, Shirley Melrose Heights.

S. C., Columbia—C. D. Stanley Co., incorporated; C. D. Stanley, Julia P. Stanley.

S. C., Columbia—J. D. Caldwell, 3301 Fourth Ave., Robt. D. McClure, Arcade Bldg., incorporated company with \$50,000 capital; acquired 2000 acres; develop subdivision.

S. C., Greenville—Park Lake Highlands Development Co., capital \$100,000, incorporated; W. H. Heath, P. H. Roberts.

S. C., Sumter—Edisto Beach, Inc., capital \$65,000, incorporated; F. H. Murray, W. Loring Lee.

Tenn., Jasper—Marion County Sweet Potato Growers' Assn. chartered; L. J. Lewis, Charles Curtis.

Tenn., Knoxville—McMillin & Klein, 607 Market St., are developing Westmoreland Heights subdivision; will expend \$125,000 for improvements; let contract for oil and macadam roads, water works system, 33,000 gal. water tank.

Tenn., Memphis—H. M. Hall, Central Bank Bldg., is developing 22 acre subdivision; install water, sewers, electric lights, roads, expend \$40,000; Sieg & McDaniel, Archt. Central Bank Bldg.; Frank Mullins, Constr. Engr.*

Tenn., Tullahoma—Harton Development Co., capital \$10,000, incorporated; John W. Harton, E. I. Hitt.

Tex., Brownsville—T. D. Murphy, 20 W. Jackson Blvd., Chicago, Ill., reported interested in 11,000 acre colonization.

Tex., Childress—Childress Country Club incorporated; J. M. Crews, Reid Scott.

Tex., Childress—Hillcrest Addition, Inc., capital \$18,000, incorporated; J. M. Crews, R. B. Scott.

Tex., Corpus Christi—Thomas L. Woodruff, W. H. Verner of Verner-Woodruff Development Co., Miami, Fla., reported acquired 1000 acres; will subdivide.

Tex., Corpus Christi—H. H. Friar Realty Co., incorporated; H. H. Friar, 1408 Mesquite St.

Tex., Corpus Christi—W. B. Ray, Chaddick Bldg., interested in development of 16,000 acres in San Patricio County.

Tex., Corpus Christi—George F. Green Co., Inc., Tampa, Fla., reported to develop for Sam Robertson, Brownsville, portion of Padre Island for playground and resort section; will develop in units, first of which will be 5000 acres; install lights, water, roads, streets, 18 hole golf course, seawall.*

Tex., Houston—Ship Channel Land Co., capital \$125,000, incorporated; F. M. Law, Beaconsfield Apts.

Tex., Houston—Sims River Land Co., capital \$51,000, incorporated; John T. Moore, Kress Bldg.

Tex., Houston—Country Club Estates, Hugh Petter, Pres., Country Club Estates Bldg., Fannin and Capitol Sts., is developing River Oaks subdivision; will construct entrance and gateway; widen boulevard to 100 ft. with two 20-ft. drives, paved with 6-in. concrete base and 1 1/2-in. Uvalde rock asphalt hot mix-turing; will probably extend Buffalo Drive within River Oaks; Uvalde Rock Asphalt Co., N. San Jacinto St., has contract for excavation and paving; C. K. Horton, 2202 Clay St., for storm sewers, sanitary sewers and water works; Houston Natural Gas Co. will extend circulatory system of high pressure natural gas mains; Houston Light and Power Co. will install light and power lines Southwestern Bell Telephone Co., telephone lines; all underground system on conduits; Hare & Hare, Constl. Engrs., Huntzinger Bldg., Kansas City, Mo.; H. A. Kipp, Engr., Country Club Estates Bldg.; landscaping and designing of esplanade gardens under direction of Mason C. Coney.

Tex., Houston—San Jacinto Trust Co., A. R. Dearborn, Jr., Mgr., Humble Bldg., is developing Virginia Court subdivision; Houston Natural Gas Co. will lay gas mains; will soon begin construction of sewer system.

Tex., Houston—Realty Traders, Inc., 602 Keystone Bldg., capital \$10,000, incorporated; C. A. Taylor, Bertram Thomas.

Tex., Houston—Republic Realty Co., 629 Post-Dispatch Bldg., incorporated; J. E. Josey, L. M. Josey, both Beaumont.

Tex., Portland—J. E. Garrett, Pres., Texas State Bank, Corpus Christi, acquired 1432 acres.

Tex., Merkel—Merkel Cemetery Assn. incorporated; J. T. Warren, Mrs. R. O. Anderson.

Tex., Nacogdoches—Nacogdoches Country Club has 152 acres; will develop 55 acres for golf course, country club and small clubhouse.

Tex., San Antonio—Commercial Realty Investment Co., incorporated; V. H. Ragland, Charles Millard.

Va., Norfolk—Virginia Shores, Inc., chartered; L. P. Matthews, National Bank of Commerce Bldg.

Va., Norfolk—View Park Corp., capital \$10,000, incorporated; Perry W. Ruth, 432 W. 21st St.

Va., Norfolk—Laurel Terrace Corp., capital \$10,000, incorporated; G. G. Fisher, 617 Armistead Branch Rd.

Va., Roanoke—Fairacre Corp., capital \$15,000, incorporated; A. T. Loyd, Shenandoah Life Bldg.

Va., Virginia Beach—E. M. Cheatham acquired 100 acres at Dam Neck; will develop subdivision; construct roads, water, sewers, electric lights.

Va., Virginia Beach—Virginia Realty Assn., incorporated; Leslie D. Measell, National Bank of Commerce Bldg., Norfolk.

Lumber Enterprises

Ark., Clarksville—Dyke Brothers Lumber Co., S. Ninth St., Fort Smith, has permit for erection of office building in connection with lumber yard, 1-story, 75x120 ft., brick.

Fla., Holopaw—J. M. Griffin Lumber Co., J. M. Griffin, Pres., will erect \$75,000 plant, 70x280 ft., wood, composition roof, wood floors; install \$150,000 equipment; daily output 200,000 ft. (See Machinery Wanted—Sawmill Machinery.)*

Fla., Miami—Rose Lumber Co., 6912 N. W. Seventh Ave., organized F. A. Shipley, Greensboro, Ga., wholesale office at Greensboro.

La., Monroe—Parlor City Lumber Co., 134 S. Grand St., rebuilding burned plant; 120x144 ft., concrete, wood, metal clad, concrete floors, metal roof; estimated cost \$50,000; machinery all purchased; construction by owner.

Mo., Kansas City—Consolidation of W. R. Pickering Lumber Co., 1005 R. A. Long Bldg., and the companies it controls, including 51 retail lumber yards in Kansas, Oklahoma and Texas, into one corporation known as Pickering Lumber Co.; reported establish manufacturing plants at Pickering, La.; Haslam, Tex., and other points; main office in Kansas City.

Tex., Dallas—Rogers Lumber & Manufacturing Co., capital \$50,000, incorporated; Henson Rogers, 2306 Live Oak St.

Tex., Elgin—Turner Lumber Co. increased capital, \$200,000 to \$300,000.

Mining

Mo., Carrollton—Johnson-Hudson Gravel Co., Inc., capital \$60,000, chartered; E. C. Johnson, C. B. Withers.

Mo., Kansas City—Peck-Thompson Sand Co., capital \$20,000, incorporated; F. W. Peck, 501 Knickerbocher Apt.

Va., Richmond—Highland Park Sand Co., capital \$50,000, chartered; J. Aubrey Saunders, 1604 Grove Ave.

Miscellaneous Construction

Ala., Mobile—Incinerator—City, Geo. E. Crawford, Mayor, will construct 2 incinerators; receive bids June 3; Wright Smith, City Engr. (See Machinery Wanted—Incinerators.)*

D. C., Washington—Bathing Beaches—Fine Arts Comsnn. approved preliminary plans for construction of bathing beaches in E. Potomac Park and Anacostia Park; Maj. U. S. Grant, 3rd., Director of Public Buildings and Parks.

Fla., Canaveral—Harbor—Port Canaveral Terminal Co., reported, will develop port for commercial purposes; first unit provides for two 300-ft. wharves, similar units can be added when needed; Geo. B. Hills Engineering Co., Liggett Bldg., making surveys; Cocoa and Titusville Chamber of Commerce have appointed committees to work in conjunction with the organization.

Fla., Fort Lauderdale—Harbor—Joint Harbor Committee of Hollywood and Fort Lauderdale interested in port and harbor development; B. J. Horne, City Mgr. See Financial News—Bond Issues Proposed.*

Fla., Ft. Myers—Incinerator—City will construct 50-ton capacity incinerator; open bids May 21; E. N. Stanley, City Engr. (See Machinery Wanted—Incinerator.)*

Fla., Hialeah—Swimming Pool—City contemplates building swimming pool; has site; John Shorrock, City Engr.

Fla., Hollywood—See Fort Lauderdale.

Fla., Miami—Florida Granite & Marble Co., 1527 N. Miami Ave., has contract for \$13,000 marble crypt for John W. Claussen, in Woodlawn Park Cemetery.

Fla., Miami—Seawall—Charles F. McKenzie, 123 N. E. Third Ave., has contract for \$10,000 seawall to protect marine gardens; plans by Marmo & Varney.

Fla., New Smyrna—Harbor, etc.—Col. G. A. Youngberg and J. M. Braxton completed survey of inlet and location of proposed turning basin and harbor; report accepted by Port Comsnn.

Fla., Orlando—Swimming Pool—City contemplates building municipal swimming pool in Exposition Park; oval, 150x200 ft., capacity 600,000 gal. water; plans include bath house to accommodate 500 persons at one time; shower, locker and dressing rooms facilities, rest room and machinery rooms; estimated cost, including equipment, etc., about \$36,287; Francis A. Robinson, Archt.; project promoted by Orlando Realty Board.

Fla., Venice—Harbor—The Venice Co. engaged Maj. Gen. W. M. Black, U. S. Army Engr. (retired), as Const. Engr. for proposed deep water port and harbor development.

Md., Cumberland—Swimming Pool—City receives low bid from Cumberland Contracting Co. at \$11,500 for municipal swimming pool, capacity 300,000 gal.; will probably require filtration and sterilization equipment; J. H. Kimball, Constl. Engr., City Hall. (See Machinery Wanted—Filtration and Sterilization Equipment.)*

Okla., Enid—Southwest Terminal Elevator Co., capital \$250,000, incorporated; James W. Maney, Oklahoma City; John K. Landes, Enid.

Tenn., Chattanooga—Tunnel—City contemplates constructing tunnel through Missionary Ridge south of Main St. Address City Clerk. See Financial News—Bond Issues Proposed.

Tex., Port Arthur—Revetment—City will expend \$50,000 for shell revetment on banks of Sabine-Neches Canal; O. M. Bower, City Engr.; J. C. Hamilton, City Clerk. (See Financial News—Bond Issues Proposed.)

W. Va., Bluefield—Retaining Wall—Lilly Brothers of Bluefield have contract for retaining wall on south side of Princeton Ave., 306 ft. long, 25 ft. high.*

Miscellaneous Enterprises

Ala., Birmingham—Utopia Dry Cleaning Co., 1428 S. Tenth St., let contract to W. H. Robertson & Son, 1117 N. Twelfth Court, for cleaning plant on Sylvan St., 1 story, 65x120 ft.

Ala., Montgomery—Opticians—J. A. Weiss & Sons, Inc., capital \$10,000, chartered; Robert P. Weiss, 18 Gilmer Ave.

Ala., Samson—Royal Theater Co., incorporated; C. C. Faulke, B. C. Orme.

Ark., Dumas—Merchandise—Herman Marcus & Co., capital \$25,000, incorporated; Herman Marcus, L. O. Rawls.

Ark., Gentry—Marion Wesson, Pres. First Natl. Bank, reported, acquired the Journal-Advance, edited by Albert Dunagin.

Fla., Clearwater—Clearwater Beverage Co. erect plant on Ewing St.

Fla., Coral Gables—Coral Gables Candies, Inc., 2314 Ponce de Leon Blvd., has completed building; establish candy manufacturing plant.

Fla., Jacksonville—American Bakeries Co., Twelfth and Market Sts., let contract to Brown Realty Co., 105 Julia St., for \$18,000 plant, 2 story, 50x50 ft., steel and brick, wood floors, concrete foundation; erection begun.

Fla., Lakeland—Fire Fighting Equipment—City will expend \$30,000 for additional fire fighting equipment. Address City Clerk. See Financial News—Bond Issues Proposed.)

Fla., Melbourne—Building Materials—Charles Valentine, advises, let contract to W. H. Fisher (patentee) of Little Falls, N. J., for full installation of their hydraulic ramming concrete stone machinery for manufacture of pressed building stone and is forming company for this purpose; plans will be located on Dixie Highway, with capacity of 1000 blocks daily.

Fla., St. Petersburg—Kelley-McGregor Baking Co. will erect \$100,000 bakery cor. Bayview Ave. and Fifth Sts.; install machinery, etc.

Fla., St. Petersburg—Philip Shore Shipping Co. establish barge line service between St. Petersburg, Tampa and Bradenton.

Fla., Tampa—Peninsular State Steamship Corp. will operate line between Philadelphia, Pa., and Tampa, starting April 30; Megee Brothers, Ltd., Drexel Bldg., Philadelphia, representatives.*

Fla., Tampa—Solar Water Heater Co. H. C. Neilsberg, Mgr., reported acquired site for plant addition; will install machinery and

transportation equipment; contemplates opening branch in Orlando and St. Petersburg.

Ga., Augusta—Lightning Hoist & Grapple Co., capital \$25,000, incorporated; W. H. Weathers, J. M. Doughty.

Ga., Columbus—The Racine Hotel Co., incorporated; J. D. Thomas, Annie V. Thomas.

Ga., Dublin—Southern Pulp & Naval Stores Co., C. M. Thorsen, Pres., 42 Broadway, New York city, inspecting site of proposed \$750,000 plant; machinery and material reported purchased; Company wires: "Construction of Dublin plant not yet begun; plans still tentative."*

Ky., Lexington—Sling & Stone Publishing Co., incorporated; Geo. Ragland, S. B. Royster.

Ky., Lexington—Central Garment Co., capital \$50,000, incorporated; R. L. Castillo, 840 Fremont Ave.

Ky., Paducah—Consolidated Amusement Co., chartered; L. C. and Hecht S. Lackey.

Ky., Wurtland—Grasselli Chemical Co., W. T. Cashman, Asst. Sec., Guardian Bldg., Cleveland, Ohio, advises: Have purchased land in Greenup County and propose to use same for extensions to our chemical manufacturing business; our immediate plans contemplate the erection of sulphuric acid plant.*

La., Arcadia—Arcadia Drug Co., Inc., capital \$15,000, chartered; C. E. Tooker, R. L. Brown.

La., Bogalusa—Refining Moss, etc.—Friend-Howard Co., Inc., capital \$15,000, chartered; J. H. Friend, C. R. Howard.

La., Burnside—Figs, etc.—Chauvin Bros. Preserving Co., Inc., capital \$15,000, chartered; Geo. Chauvin, Robert Boudreux.

La., Monroe—McClure Hotel Co., Inc., capital \$40,000, chartered; L. P. Abernathy, Riverside Heights.

La., New Orleans—Undertaker—Joseph Laughlin, Inc., capital \$50,000, chartered; Joseph Laughlin, 4508 Magazine St.

La., New Orleans—Vincent DeLuca Hardware Co., Inc., capital \$25,000, chartered; Vincent DeLuca, Sr., 2830 DeSoto St.

La., New Orleans—Roberts Construction Co., Inc., capital \$10,000, chartered; Herbert E. Roberts, C. O. Hooper.

La., New Orleans—Restaurants—Himbart, Inc., capital \$10,000, chartered; Huma P. Himbart, 7715 Spruce St.

La., New Orleans—American Solvents & Chemical Corp. reported acquired plants of the Jefferson Distilling and Denaturing Co. at Harvey and the Crescent Industrial Alcohol Co. in Algiers; will probably operate.

La., New Orleans—Well-Built Homes, Inc., capital \$20,000, chartered; Emmett Young, Hibernia Bldg.

La., St. Joseph—Southern Dusting Co., Inc., Eugene Stevens, Mgr., Box 216, Tallulah, will probably erect 60x110-ft. sheet metal airplane hangar; concrete floors, sheet metal roof (use airplane to apply poison dust on agricultural crops); install machine shop equipment for repair and rebuilding of ships. (See Machinery Wanted—Machine Shop Equipment.)

Md., Baltimore—Civic Center Realty Co., Israel Silberstein, Pres., 402 St. Paul Place; \$1,700,000 office and loft building, Lexington and Calvert Sts.; Lucius R. White, Jr., Archt. (See Buildings Proposed—Bank and Office.)

Md., Cumberland—R. J. Snyder Co., 116 Baltimore St., will establish factory to manufacture house dresses, etc.

Miss., Biloxi—Biloxi News, incorporated; Clayton T. Rand, E. T. O'Connell; will publish newspaper.

Miss., Moss Point—Southern Paper Co., E. H. Mayo, Gen. Mgr., let contract to Morton C. Tuttle Co., Park Square Trust Bldg., Boston, Mass., for paper storage warehouse; 3-story, 60x90 ft., and addition to power house; estimated cost \$100,000.*

Mo., Clayton—Clayton Plumbing & Heating Co. incorporated; Horace G. Bellis, Arthur Waddington.

Mo., Corder—Corder Mercantile Co., Inc., capital \$30,000, chartered; Fred Smith, Kansas City; John Smith, Higginsville.

Mo., Kansas City—Building Material—Interstate Rock & Crusher Co., capital \$50,000, incorporated; A. J. Forster, Hugh B. Downey, 407 Rialto Bldg.

Mo., Kansas City—Bon Ton Cloak & Suit Co., capital \$15,000, incorporated; M. Shure, 918 E. Thirty-ninth St.

Mo., Kansas City—Pioneer Safe Deposit Co. incorporated; Wm. N. Hughes, 3600 Wyandotte St.; operate warehouses, etc.

Mo., Kansas City—Security Building Co.,

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

CONSTRUCTION DEPARTMENT

capital \$75,000, incorporated; R. J. DeLano, 533 W. Fifty-seventh St.

Mo., Kansas City—Kansas City Smithville Fair Assn., capital \$30,000, chartered; Geo. M. Wagner, 5531 Forest Ave.

Mo., Kansas City—Soda Fountain Equipment—Soda Fountain Corp., chartered; Orrin F. Roberts, 4405 Wabash Ave.

Mo., Kansas City—Preserving—J. W. Shiley Manufacturing Co., 4716 E. 27th St., incorporated; E. T. Miller, J. W. Shiley.

Mo., Kansas City—Grain Elevators. See Flour, Feed and Meal Mills.

Mo., Kirksville—Packing Plants—A. J. Burk Meat Co., Inc., capital \$50,000, chartered; T. S. Burk, D. M. Frederick.

Mo., Poplar Bluff—Poplar Bluff Drug Co., chartered; Hugo L. Boeving, Albert Boeving.

Mo., St. Louis—Brake Linings—Safety Service Corp., chartered; Fred C. Breitt, 308 Orchard St.

Mo., St. Louis—Thos. J. Fisele Mop Manufacturing Co., 712 S. Fourth St., capital \$10,000, incorporated; Geo. Solomon.

Mo., St. Louis—Confectionery—G. B. Geraris, Inc., chartered; G. B. Geraris, 6927 Gravois Ave.

Mo., St. Louis—Confectionery—The "Pops" Co., incorporated; Frank L. Gordon, 4456a Evans St., University, Mo.

Mo., St. Louis—Brass & Copper Sales Co., 1712 Chestnut St., H. P. Hubbell, Pres., advises organized to represent and carry stock of Rome Brass & Copper Co., Rome, N. Y.*

Mo., St. Louis—Merchandising Publishing Corp., 101 S. Ninth St., capital \$30,000, chartered; Tom G. Williams.

Mo., St. Louis—Hotels, etc.—Warwick Operating Co., capital \$150,000, chartered; W. A. Meletio, 6031 Pershing Rd.

Mo., St. Louis—Cleaning, etc.—Stedley Process, Inc., chartered; Arthur P. Hartman, 490 Oakwood St.

N. C., Charlotte—Food Products—Central Specialty Co., Inc., capital \$15,000, chartered; B. L. Wendenfeller, A. C. Palmer.

N. C., Greensboro—Paints, etc.—South-eastern Sales Co., capital \$50,000, incorporated; C. K. Boren, Pomona.

N. C., Greensboro—Plumbing, etc.—The Ernest T. Brownhill Corp., capital \$25,000, incorporated; Ernest T. Brownhill, Wm. Fields.

N. C., Greensboro—Golden Rule Printing Co., capital \$50,000, incorporated; W. H. Jordan, S. S. Nelson.

N. C., High Point—Knox Upholstering Co., English St., has permit for \$20,000 addition to plant.

N. C., High Point—Industrial Photo Service, Inc., capital \$100,000, incorporated; Roy J. Spearman, J. E. Lyon.

N. C., Washington—Mercantile—Mann and Blunt, Inc., capital \$30,000, chartered; W. A. Blunt, Jr., John D. Webb.

N. C., Winston-Salem—The Morning Journal will erect 5 story and basement, 75x90-ft., brick with limestone trim, steel frame, reinforced concrete, fireproof, sprinkler system; Harold Macklin, Archt., 330 Vintage St.*

N. C., Winston-Salem—Dry Cleaning, etc.—R. J. Reynolds Realty Co., Reynolds St., let contract for enlargement of building occupied by Morgan-Hoffman Co., Third and Church Sts.; will install dustproof sanitary cabinet cases for storage of completed work, complete rug and cleaning department, etc.

Okl., Ardmore—Brown Printing Co., capital \$25,000, incorporated; Herschell T. Nisbett, Shawnee.

Okl., Tulsa—Mid-Continent Broom Co., capital \$10,000, incorporated; H. A. Bauer, Geo. J. Lins.

S. C., Greenville—Schachner Leather & Belting Co., incorporated; Julius A. Schachner, Jr.

S. C., Greenville—Imperial Hotel Co., capital \$75,000, incorporated; Jules Haymann, Sam Baron.

S. C., Laurens—Domestic Laundry & Dry Cleaning Co., incorporated; Robert C. Jeter, W. P. Turner.

S. C., York—Publishing—Yorkville Enquirer of York, capital \$10,000, incorporated; A. M. Grist, Pres.-Treas.

Tenn., Chattanooga—Tennessee Paper Mills, A. M. Sheperd, V.-Pres.-Gen. Mgr., advises: "Completing additions to our plant, consisting of 1000 kw. power plant; we are planning addition to mill which will call for an expenditure of about \$500,000; increase capital to \$1,250,000 and increase production to 125 tons per day; we will not be interested in

anything other than special paper mill machinery; the addition to our buildings will be in nature of additions and extensions; this will cost about \$75,000."

Tenn., Knoxville—Sequoyah Building Co., capital \$10,000, incorporated; W. C. Ruffin, E. V. Ferrell.

Tenn., Knoxville—Radio, etc.—The Lamb Co., capital \$100,000, incorporated; Leonard C. Lamb, Bearden, Tenn.

Tenn., Knoxville—Gray Knox Marble Co., J. B. Jones, Pres. Louisville & Nashville R. R. crossing, reported will expend about \$300,000 on plant improvements; let contract to V. L. Nicholson, 102 W. Clinch St., for 280x116 ft. addition to east side of plant and 90x120 ft. addition to west side of plant; steel and reinforced concrete, fireproof; install additional machinery including 12 saw gangs; plans by Manley, Young & Myer, Knaffle Bldg.

Tenn., Memphis—Memphis Steam Laundry, 86 N. 2d St., reported, let contract to F. J. Ozanne & Co., Empire Bldg., for new plant, increased capital.*

Tenn., Memphis—Laze-Bak Manufacturing Co., incorporated; W. T. Griffin, 1250 S. Orleans St.

Tex., Alvin—Magnolia Fig Products Co., incorporated; Martin Ulfers, John J. Kahman.

Tex., Dallas—Printing—Direct Publicity Corp., capital \$15,000, chartered; Albert Tooie, C. M. Crockett.

Tex., Amarillo—The Globe-News Publishing Co., will repair building and machinery damaged by explosion.*

Tex., Austin—Chas. B. Cook Undertaking Co., 413 Congress Ave., let contract to H. E. Wattenger, 504 Oakland Ave., at \$42,000, for 2-story and basement funeral home at 11th and Lavaca St.; brick and stone, semi-fireproof; to R. F. Bacon, 409 W. Sixth St., for plumbing and wiring; Page Bros., Archts., Austin National Bank Bldg.*

Tex., El Paso—Skating Rink—Arctic Ice Palace, capital \$10,000, incorporated; H. W. Boynton, 1201 E. Nevada St.

Tex., Fort Worth—The Bunker Printed Products Co., Wm. R. Goodheart, Gen. Mgr., will erect 1-story, 200x200 ft. steel frame building at Adams and Daggett St.; the Austin Co. of Texas, Archt., and Engrs., Linz Bldg., Dallas.

Tex., Houston—Houston Showcase & Manufacturing Co., 361 Washington St., increased capital, \$25,000 to \$150,000.

Tex., Houston—Houston Nuway Laundry Co., increased capital, \$10,000 to \$30,000.

Tex., Houston—Sanatorium—The Modern Clinic, capital \$12,000, incorporated; B. Y. Boyd, D. C. Turk.

Tex., Houston—The Phoenix Dairy, capital \$300,000, incorporated; M. C. Oldham, 4809 Walker Ave.

Tex., Marshall—Soda Water—The Made Rite Co., capital \$24,000, incorporated; N. C. Mathewson, Nattie Williams.

Tex., Navasota—Navasota Ice Cream Co. organized, installing manufacturing plant, daily capacity about 600 gal. ice cream; estimated cost \$11,000.

Tex., Orange—Orange Steel & Construction Co., incorporated; J. I. Byrne, F. H. Farwell.

Tex., Pittsburgh—Keen Bottling Co., incorporated; Philip Dolinski, E. H. Hess.

Tex., Port Arthur—Cascade Laundry & Cleaning Co., reorganized; A. N. Peckham, Pres., 2002 Procter St.; continue operations.

Tex., Rusk—Rusk Hotel Co., capital \$25,000, incorporated; James I. Perkins, B. F. Pryor.

Tex., San Angelo—Merchandise—Homer Byrd Co., capital \$10,000, incorporated; Homer Byrd, R. F. Halbert.

Tex., San Antonio—Printing—The McIlheney Co., capital \$10,000, incorporated; L. M. McIlheney, 2320 Main St.

Tex., San Antonio—Merchandise—Palais Royal, Inc., capital \$15,000, chartered; Alfred Husch, 910 W. Craig St.

Tex., Wichita Falls—Office Equipment Corp., chartered; A. T. Kramer, Staley Bldg.

Tex., Wichita Falls—Wichita Falls Hotel Corp., capital \$48,000, incorporated; R. O. Harvey, Cotton City National Bank Bldg.

Va., Norfolk—Soap—Louis Rosenstein, Pres. Portsmouth Cotton Oil Refining Corp., reported acquired building of Southern Fibre Co.; site includes 74 acres land, two brick buildings, one frame building, office and about 3000 ft. of Belt Line trackage; contemplates using one 2-story building for manufacture of toilet soap, using the by-products of the Refining Corp.

Manufacturers Record

Va., Richmond—Cleaning and Pressing—Richmond Valetarie, Inc., chartered; James E. Crass, 900 Westover Road.

Va., Richmond—Redford Engineering Corp., capital \$50,000, chartered; Oscar P. Redford, Richmond; Allan W. Bryan, Dumbarton.

W. Va., Huntington—Bonita Art Glass Co., Otto Jaeger, Sec.-Treas., Adams Ave. and Fourteenth St., advises: It will be some time before we will make the enlargement to our plant.*

W. Va., Kingwood—City contemplates purchasing fire-fighting equipment. Address City Clerk. See Financial News—Bond Issues Proposed.

W. Va., Parkersburg—Parkersburg Corrugated Box Co., Geo. McDonald, Pres., 1722 Avery St., let contract to Plate Construction Co., 726 Jeannette St., for \$50,000 factory on Depot St.

Motor Bus Lines and Terminals

Ala., Grenesboro—Henry Bros. contemplates establishing bus line between Greensboro and Akron.

Ky., Houston—Houston Bus Co., incorporated; John B. Houston, Luther M. Combs.

N. C., Asheville—Western North Carolina Taxi and Development Co., capital \$50,000, incorporated; B. R. Quick, 397 South Side Ave.

Okl., Lawton—Lawton Street Railway Co. leased building on Avenue C.; will remodel for terminal.

Tenn., Knoxville—Rapid Transit Co. asked permit to establish motor bus line over certain streets.

Tenn., Nashville—Blue Grass Bus Line, Inc., capital \$25,000; Guy Hamilton, Harry A. Luck; formed by consolidation of several small bus lines and extending service.

Tenn.-Va., Bristol—Truck Transfer Co., Inc., Geo. K. Taylor, Sec., 843 Shelby St., operating freight service line from Bristol to Marion; Damascus, Va.; Mountain City, Tenn.; Boone, N. C.; Asheville, via Elk Park, Spruce Pine, Kingsport, Greenville, Tenn.; Gate City and Clinchport, Va.*

Tex., Houston—Ruggles-Houston Truck & Coach Co., incorporated; George Shaffer, W. B. Markowitz.

Va., Norfolk—The Norfolk-Southern R. R. Co., F. L. Nicholson, Ch. Engr., filed application to establish motor bus route between Norfolk and Virginia Beach, via Ocean Park and Cape Henry.

Va., Wytheville—Moore Bros. Bus Line, Inc., R. B. Moore, Pres.-Mgr., will start operation of bus line from Wytheville to Bluefield, W. Va., by June 1; will purchase two 7-passenger Studebaker cars.*

Motor Cars, Garages, Filling Stations

Ala., Birmingham—The White Co., 2010 Avenue C, let contract to M. C. Banks, 2501 N. First Ave., for 1-story and basement garage, 140x150 ft., brick, tar and gravel roof, steam heat; concrete floors; stone furnished by Reed Brothers, 3000 N. Eighth St.

Ala., Carbon Hill—Shaw Motor Co., capital \$25,000, incorporated; E. R. Mattinley, A. M. Shaw.

Ala., Gadsden—Lasseter Chevrolet Co. will occupy new garage to be erected on Chestnut St.; estimated cost \$20,000; M. M. Dunson, Contr.

Ala., Opelika—L. W. Montgomery, Agt., the Texas Co., let contract to Louis Kerr to erect two drive-in stations at First Ave. and S. Eleventh St. and one on Geneva St.; Okell & Cooper, Archts., Bell Bldg., Montgomery; contract for paving work let Sullivan, Hagerty & Long Co.

Ark., Camden—Valley Motor Co., capital \$50,000, incorporated; Wm. O. Fagg, Charles Jones.

Ark., Greenwood—The Gibson Oil Co. eased site on Oak St.; will erect double driveway filling station.

Ark., Little Rock—J. B. Pettyjohn, 2801 Izard St., erect \$10,000 filling station cor. Fourteenth and Louisiana Sts.

Ark., Russellville—Fuess, Hollis & Kirkpatrick, capital \$50,000, incorporated; L. W. Fuess, Len Kirkpatrick.

Fla., Jacksonville—Peninsular State Oil Co. has permit for \$8000 filling station cor. Clark and Parks Sts.; brick and stucco.

Fla., Miami—Brigman-Nash Co., 1235 N. E. First Ave., let contract to J. Neilsen for garage and repair shop at N. W. Fifty-second St., estimated cost \$10,000.

Fla., Sarasota—Chicago Trading Co. has

permit for \$35,000 auto show rooms and garage on S. Osprey Ave.

Fla., St. Augustine—St. Augustine Bulck Co., 118 Charlotte St., let contract to Travis Brothers for 50x160 ft. garage, fireproof, Lamore tile interlocking cement; capacity about 200 automobiles; cost \$9000.

Fla., Tampa—W. G. Boyd, Stovall Bldg., erect garage on Lawn St.

Fla., Tampa—El Dac Oil Co., E. Howard Cadle, Pres., reported contemplates building ten gasoline filling stations and storage terminals; plans having stations throughout state with Tampa as distributing center.

Ga., Ideal—Macon County Motor Co., chartered; building service station and garage.

La., Alexandria—Rhinehart Tire Service, Inc., chartered; Albert F. Lanier, F. E. Colllins.

La., Maringouin—Browning Motor Co., Inc., chartered; P. E. Browning, D. T. Kent.

La., New Orleans—Nasco Syndicate, Inc., capital \$10,000, chartered; Jewell A. Sperling, 2121 Penitosa St.

La., New Orleans—Nu-Way Cleansing Service, Inc., capital \$10,000, chartered; Francis C. Moree, 2511 S. Carrollton Ave.

La., New Orleans—Melville Motor Co., Inc., let contract to Harry Bros. of La., 3505 S. Carr St., for 1-story, 60x100 ft. garage and sales room; install complete equipment, all purchased; construction under way.

La., New Orleans—J. Thomson & Brothers, Ltd., 223 S. Rampart St., let contract to Lionel F. Favret, Louisiana Bldg., at \$86,420, for 5-story garage on Gravier St.*

La., New Orleans—Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., receiving bids for alterations and additions to building at 829 St. Charles St. for Capital City Auto Co.; work includes structural iron and steel, steel rolling doors, extension to sprinkler system, carpentry, millwork, finished floors, painting, plumbing and electrical wiring.

Miss., Natchez—461 Tire and Battery Co., capital \$10,000, incorporated; C. C. Crothers, 407 N. Commerce St.

Mo., Columbia—The Alton Garage Co., let contract to Simon Construction Co. for \$40,000 garage at Seventh and Broadway.*

Mo., Columbia—J. E. Hathman has contract for \$10,000 garage at Seventh and Walnut St.

Mo., Ellington—Ellington Motor Co., let contract to C. A. Buckey, Ironton, for 1-story, 60x120 ft. granite building, concrete floors, composition roof; construction begun.*

Mo., Kennett—W. M. Lloyd will erect filling station at intersection of Highway No. 2.

N. C., Greenville—Westbrook Motor Co., capital \$10,000, incorporated; J. L. Westbrook.

N. C., Rockingham—Automobiles—Rockingham Sales Co., capital \$50,000, incorporated; H. R. Gibson, Leo Warburton.

N. C., Rutherfordton—The Rutherfordton Motor Co., capital \$50,000, incorporated; T. F. Oats K. S. Tanner.

N. C., Snow Hill—Edward Chevrolet Co., capital \$15,000, incorporated; E. E. Edwards, J. C. Moye.

N. C., Vass—Graham Poole Motor Co., capital \$50,000, incorporated; W. B. Graham, N. G. Poole.

N. C., Winston-Salem—Paul Bennett Motor Co., capital \$200,000, incorporated; Paul A. Bennett, Annie R. Glenn.

Okla., Bristow—Dailey-Morefield Motor Co., capital \$10,000, incorporated; S. T. Dailey, L. W. Morefield.

Okla., Miami—Miami Motor Co. will occupy building at S. Main and First Ave., 50x120 ft., to be erected by Mrs. Claude Corbett; R. A. Swartz, Archt.; Frank Roper, Contr.*

Okla., Oklahoma City—Chevrolet Motor Co., 701 N. Broadway, reported begun construction of \$150,000 building for factory branch at Sixth St. and Santa Fe tracks, 3-story, 150x140 ft., fireproof, structure owned by Dr. J. B. Roler, Shops Bldg.

S. C., Greenville—Tires, etc.—The Dixie Rubber Co., capital \$10,000, incorporated; J. F. Clark, 209 E. Starr Ave.

Tenn., Chattanooga—Misses Boyce let contract to Burner & Co., 4 Frazier Ave., for garage and salesroom at 1250 Market St.; concrete block and brick, 1 story, 75x130 ft., concrete floor, tar and gravel roof; estimated cost \$12,000; construction begun.

Tenn., McMinnville—Auto Sales and Service Co., incorporated; E. W. Walling, E. C. Reeder.

Tenn., Nashville—Charles P. Jackson Motor

Co., capital \$25,000, incorporated; J. G. Stephenson, Independent Bldg.

Tenn., Nashville—Yellow Drive-Ur-Self Co. plans erecting 2-story brick building on Eighth Ave.

Tenn., Nashville—Blackwood Tire & Battery Co., H. O. Blackwood, Pres., 914 Broad St., reported contemplates building number of gasoline filling and tire stations; first to be located at Eleventh St. and Woodland Ave.

Tex., Cisco—Harrison-Fleming Motor Co., capital \$10,000, incorporated; L. A. Harrison, H. C. Fleming.

Tex., Fabens—Buchanan Motor Co. increased capital, \$10,000 to \$25,000.

Tex., Kingsville—C. D. Johns let contract to Gurderman & Allen, San Antonio, at \$12,000, for garage, steel trusses, brick walls, concrete floors; Page Bros., Archts., Austin National Bank Bldg.*

Tex., San Antonio—F. H. Wagner will occupy service and filling station to be erected on Navarro St.; construction to begin soon; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg.

Tex., San Antonio—General Tile & Rubber Co., 433 Main St., has permit for \$30,000 drive-in filling station on Navarro St., between Fannin and River Sts.

Tex., San Antonio—Burleson Tire Co., capital \$25,000, incorporated; E. M. Burleson, 535 E. Cincinnati St.

Tex., San Antonio—Mutual Motor Co., capital \$100,000, incorporated; Sam L. Kone, 324 W. French St.

Tex., Temple—Hudson-Essex Sales, Inc., capital \$10,000, chartered; E. B. McDonald, T. G. Cervenka.

W. Va., Logan—Minton-Chevrolet, Inc., capital \$25,000 chartered; G. R. Williams, Logan; W. M. Minton of Blair.

Railway Shops and Terminals

Fla., St. Petersburg—Atlantic Coast Line R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., advises: Contemplates making some improvements to St. Petersburg terminals; plans not definitely determined.

Fla., Tampa—Atlantic Coast Line R. R. Co., J. E. Willoughby, Ch. Engr., Wilmington, N. C., let contract to Dwight P. Robinson & Co., New York City, for new locomotive repair shop at Uceta; preparations of plans will begin immediately and shops will be opened Jan. 1, 1927; machine shop will be housed in steel building, 235x635 ft., with machinery and equipment to handle largest locomotives in service; will require 3000 men to operate the plant at full capacity.

Roads, Streets and Paving

Large sums are being expended for roads, streets and paving in connection with Land Development operations. Details will be found under that classification.

Proposed Construction

Ala., Eufaula—City, T. C. Doughtie, Chk., receives bids May 18 for about 67,000 sq. yd. street paving, with drainage, curb, gutter, etc.; plans on file and from H. S. Jaudon Engineering Co., Elberton, Ga.

Ala., Greenville—State Highway Dept., Montgomery, plans 2 mi. gravel road through Greenville, connecting Brandon Highway with State Road No. 23.

Ala., Jasper—Walker County Commrs. Court, E. W. Long, Judge of Probate, receives bids May 24 to surface 1 1/2 mi. Oakman to Parrish Highway from point west of Providence Church to crossing over Southern Ry.; 13,000 sq. yd. 18-ft. one course plain cement concrete pavement; plans on file and from Paul S. Haley, Engr., Oakman, Ala.

Ark., Yellville—State Highway Dept., Little Rock, plans 2 roads: From Yellville to Lead Hill, via Dodd City; from Lead Hill to Omaha, connecting with Harrison, Ark.-Springfield, Mo., Highway.

Fla., Bartow—Polk County Commrs. contemplate road to Kissimmee River, connecting with road to be built from Vero Beach by Martin and Osceola Counties.

Fla., Dade City—City plans expending about \$200,000 for about 2 mi. additional paving and widening, and repaving 4 blocks in downtown section. Address City Chk.

Fla., Fruitland Park—Town, H. W. Palmer, Chk., receives bids May 20 for about 14,565 sq. yd. brick paving on sand base, with necessary grading, storm sewers, etc.; alternate

bids on Finley Method top, on 5-in. rolled lime rock base; plans on file; Geo. H. Ruhling & Co., Consrt. Engrs., Orlando.

Fla., Haines City—City, Jess F. Ferrill, Mgr., plans 10 mi. street paving and repairing other streets, cost \$1,000,000. See Financial News—Bond Issues Proposed.

Fla., Live Oak—City plans about 7 mi. street paving. Address City Chk.

Fla., Miami—City Comm., F. H. Wharton, Mgr., received low bid from Felix Pasqualino, Wakefield, Mass., for sidewalks.

Fla., Monticello—Town, O. A. Sloan, Chk., receives bids May 11 for 18,000 sq. yd. sidewalk paving; plans on file and from H. S. Jaudon Engineering Co., Elberton, Ga.; G. B. Glover, Mayor.

Fla., Ocala—Marion County Commrs., C. Carmichael, Chmn., plans 43 17-ft. roads, totaling 250 mi.*

Fla., Orlando—State Highway Dept., Tallahassee, plans repairing Orlando-Kissimmee road south of Orlando; A. W. Kinney, Div. Engr., Lakeland.

Fla., Sanford—State Road Dept., Tallahassee, received low bid from Samuel Vadner and E. P. Miller, Ormond Beach, at \$123,528 for 14.2 mi. grading and drainage structures, Seminole County, between Sanford and Orange County line.*

Fla., Tampa—Hillsborough County Commrs.; W. E. Dickenson, Chk., plan paving 13 streets in Temple Terraces Estates, including Gillett Ave., Cone Drive; A. B. Pimm, County Engr.

Fla., Waldo—City Comm. plans street paving, cost \$15,000. See Financial News—Bond Issues Proposed.

Fla., West Palm Beach—City, Hugh Daugherty, Chk., approves plans to extend Flagler Drive along lake front, from Fifth St. north.

Ga., Atlanta—Fulton County Commrs. plan expending \$60,000 to repave and widen Hemphill Ave.

Ga., Maigs—Town, Mrs. J. W. Horne, Chk., receives bids May 14 for 7874 lin. ft. 6-in. concrete curb, 30-in. gutter, 1604 lin. ft. 6-in. concrete curb, 18-in. gutter, 4117 sq. yd. 6-in. one-course concrete pavement; plans on file and from J. B. McCrary Engineering Corp., Atlanta; T. Tipton, Mayor.

Ga., Thomasville—City plans street paving, cost \$500,000. Address City Chk. See Financial News—Bond Issues Proposed.*

Ga., Waycross—Ware County Commrs., J. D. Mitchell, Commr., receives bids in June for 16 mi. surfacing, from city limits of Waycross to Bacon County line; estimated cost \$85,000.

Ky., Elkton—Todd County Commrs. plan road building, cost \$300,000. See Financial News—Bond Issues Proposed.

Ky., Lexington—City, W. C. Wilson, Commr. of Public Works, plans esplanade connecting Main and Short Sts. and rebuilding various thoroughfares; estimated cost \$75,000 to \$100,000; Hogan Yancey, Mayor; J. White Guyn, City Engr.*

Ky., Mt. Vernon—State Highway Comm., Frankfort, receives bids May 10 for 8.082 mi. grade and drain, Mt. Vernon to Lincoln County line, 96,456 cu. yd. earth, loose and solid rock excavation; 58,077 lbs. reinforcing steel; plans on file and from Dist. Engr.; E. N. Todd, State Highway Engr.

Louisiana—Louisiana Highway Comm., Baton Rouge, received low bids for 2 roads: Pointe Coupee Parish, 4.93 mi. Iberville-Opelousas Highway, Young & DeBritton, Zachary, \$101,839; Washington Parish, 7.07 mi. Franklin-Covington Highway, J. H. Newton Construction Co., Amite, \$41,215.

La., Alexandria—Rapides Parish Police Jury, L. P. Whittington, Jr., Sec., receives bids May 12 for drainage structures and graveling about .50 mi. East Point suburb of Pineville, La., Road Dist. No. 31; plans from Parish Engr.

La., Convent—Louisiana Highway Comm., Baton Rouge, receives bids May 11 to furnish gravel and build 1.75 mi. Burnside-White Hall New Levee Highway, St. James Parish, on east side Mississippi River at Union; plans on file; W. B. Robert, State Highway Engr.

La., Gretna—Louisiana Highway Comm., Baton Rouge, receives bids soon for 9 mi. road, Jefferson Parish, to Orleans Parish line; W. B. Robert, State Highway Engr.

La., Plaquemine—Town, L. B. Leblanc, Chk., receives bids May 25 for 2380 sq. yd. concrete sidewalks, 10,000 lin. ft. concrete curb and gutter; plans on file and from Swanson-McGraw, Inc., Consrt. Engrs., Balter Bldg., New Orleans.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

CONSTRUCTION DEPARTMENT

Manufacturers Record

Maryland—State Roads Comsn., 601 Garrett Bldg., Baltimore, receives bids May 18 for 7 roads: Frederick County, 1 mi. concrete along Ballenger Creek road, Ballenger Creek toward Church Hill, Cont. F-92; Baltimore County, 1 mi. concrete, between Hereford and Monkton, Cont. B-76; Prince George's County, 2.5 mi. concrete along Robert Crain Highway, between Priest Bridge and Upper Marlboro, Cont. P-66; St. Mary's County, 2 mi. gravel, between Harper's Corner and Hollywood, and New Market and Huntersville, Cont. SM-22; Harford County, 1.6 mi. macadam re-surfacing, along Harford road, between Rockford and Belair road, Cont. H-48; .91 mi. macadam re-surfacing, between Belair and Emmerton, Cont. H-38; Caroline County, 1.5 mi. concrete, Ridgely to Bridgetown, Cont. Co-39; L. H. Steuart, Sec.; John N. Mackall, Chmn.

Md., Baltimore—City, Howard W. Jackson, Mayor, plans widening Charles St. Ave. from Cold Spring Lane to city limits; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.

Md., Baltimore—Board of Awards receives low bid from Tydings & Marine, 2 E. Lexington St., at \$23,595 to pave streets with cement concrete in Cont. No. 333; P. Flanigan & Sons, Inc., Harford Road and Twenty-fifth St., \$42,344 for sheet asphalt in Cont. No. 334; Baltimore Asphalt Block & Tile Co., 1320 N. Monroe St., \$28,681 for sheet asphalt in Cont. No. 335; Albert Apicella, for cement concrete footways in Footway Cont. No. 92.*

Md., Baltimore—Board of Awards receives bids May 12 to grade, and pave with cement concrete footways in Footway Cont. No. 93; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Baltimore—Board of Awards receives bids May 12 to grade, curb and pave with 5665 sq. yd. sheet asphalt, streets in Cont. No. 336; Steuart Purcell, Highways Engr.; B. L. Crozier, Ch. Engr.; Howard W. Jackson, Mayor.

Md., Frederick—Frederick County Comms., plan repairing 3 1/2 mi. road from Haugh's shop to Ijamsville station; also portion of Ballenger Creek road branching from Jefferson State road.

Md., Towson—Baltimore County Comms., John R. Haut, Ch. Clk., receives bids May 11 to improve 4 roads: 1 mi. concrete, Monkton-Manor, from Carroll road east; .22 mi. Manor road, Kneebel-Sweet Air road, from Church lane north; .64 mi. concrete, Hydes road, from end of concrete to Hydes Station; 1.04 mi. concrete, Glen Arm road, from end of concrete northeast; plans from Samuel A. Green, Roads Engr.

Miss., Biloxi—City Comn. plans expending \$243,000 for paving and sidewalks.

Miss., Philadelphia—Neshoba County Comms., R. G. Moore, Chancery Clk., receives bids May 6 for 1.8 mi. regraveling Philadelphia and Deemer roads; plans on file.

Mo., Kansas City—City received low bid from W. A. Ross Construction Co., 1921 Broadway, at \$52,239, to repave Homes St. road, Eighty-fifth St. to Red Bridge road. Address City Clk.

Mo., Kirksville—City plans paving Elson St. with brick, Hefferson St. to Normal Ave. Address City Clk.

Mo., Lexington—City plans street from Beaville to Community Hospital and College to Chestnut St., etc. Address City Clk.

Mo., St. Louis—City Board of Public Service receives bids May 18 to rebuild Glasgow Ave., Euston to Cass; Leffingwell, Franklin to Cass; Kingshighway Blvd., Devonshire to Gravois; Hawthorne Blvd. and Longfellow Place, Grand Blvd. to Lafayette Ave.; plans from Pres. Room 300, City Hall.

Mo., University City, St. Louis—City plans repairing about 6000 ft. Delmar Blvd. from point west of Adelaide Ave. to Hanley road with 5-in. concrete base, 2-in. bituminous surface. Address City Engr.

N. C., Wilmington—City Comn. plans street paving, including Nun, Front to Seventh; Woolcott Ave., Wrightsville Ave. to Twenty-

N. C., Windsor—Bertie County Road Com. mrs., S. W. Kenney, Clk., receive bids May 13 for 3 roads and 9 bridges and culverts: 12.25 mi. from Hertford County line near Stoney Creek, through Powellsboro via Trap to Coleraine and on to Chowan River; 11 mi. Powellsboro to Rice's Mill, at intersection of State Highway No. 30; 8.6 mi. from Lewiston, through Kelford and Roxobel, on to Northampton County line at Sandy Run; 12,254 cu. yd. excavation, 92,264 cu. yd. topsoil, 40,400 cu. yd. gravel; also five I-beam concrete slab bridges; nine reinforced concrete box culverts; plans from G. C. Walker, Road Engr.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Okl., Ada—State Highway Comn., Oklahoma City, plans paving West Eighteenth St.

Okl., Pawnee—Pawnee County Comms. plan road building, cost \$400,000. See Financial News—Bond Issues Proposed.

Okl., Tulsa—City, Roy Garbett, Auditor, receives bids May 7 for paving in Dists. Nos. 712 to 717, inclusive; Chas. Schultz, City Engr.

S. C., Newberry—Newberry County Highway Comn., Geo. P. Boulware, Chmn., receives bids May 18 to hard surface road, between Newberry and Prosperity, Highway No. 2.

S. C., Spartanburg—City plans expending \$100,000 to pave 10 additional streets. Address City Clk.

Tenn., Chattanooga—City, E. D. Bass, Commr. of Streets and Sewers, plans opening and extending Market St. south of Main; also bridge across river from end of Main St.

Tenn., Kingston—State Highway Dept., Nashville, plans hard surfacing Dixie or Memphis-to-Bristol Highway, Kingston to Loudon County line toward Knoxville.

Texas—State Highway Comn., Hal Moseley, Chmn., received low bids for 8 roads: Nolan County, 9.008 mi. grading and drainage structures, State Highway No. 7, W. E. Burke, Stephensville, \$18,263; Falls County, 9.22 mi. gravel surfacing, Highway No. 44, McLennan County-Falls County line, Hannah Construction Co., Colgin Bldg., Waco, \$20,002; Burnet County, .45 mi. grading and drainage structures, State Highway No. 74, Briggs to Lampasas, Brown & Root, Georgetown, \$9635; Travis County, 7,889 mi. sledged stone base course, 2 1/2-in. bituminous macadam surface, State Highway No. 20-A, Oak Hill to Hays County line, Womack Construction Co., Sherman, \$88,528; Uvalde County, 5 roads, totaling 26.25 mi. bituminous surfacing, highway No. 3, through County, Lone Star Construction Co., San Antonio, \$121,319.*

Tex., Alice—Jim Wells County, R. R. Mullen, County Judge, plans 9.788 mi. grading and bridges, Highway No. 12-A, Alice to Duval County line; Fred E. Hess, County Engr.

Tex., Anson—Jones County, Owen Thomas, County Judge, plans 15.27 mi. bituminous macadam surface, Highway No. 18; J. W. Puckett, County Engr.

Tex., Anson—Jones County, Owen B. Thomas, County Judge, plans bituminous macadam surface on 2 roads: 17.80 mi. Highway No. 93, Hamlin to intersection with Highway No. 30, near Stamford; 9.684 mi. Highway No. 30, Stamford to point 4.5 mi. from Anson; J. W. Puckett, County Engr.

Tex., Austin—Travis County, Geo. S. Mathews, Judge, plans 6.71 mi. grading, drainage structures, gravel and stone with bituminous surface, Highway No. 71, Del Valle-Garfield Road, Montopolis Bridge at Colorado River to Onion Creek; estimated cost \$57,000; O. Leonard, County Engr.

Tex., Batesville—Zavalla County plans highway improvement, cost \$300,000; W. F. Hutson, Div. Highway Engr. See Financial News—Bond Issues Proposed.

Tex., Bay City—Matagorda County, W. E. McNabb, County Judge, plans shell road from Palacios to State Military Camp, estimated cost \$30,000; E. N. Gustafson, County Engr.

Tex., Boston—Bowie County, D. I. Robison, Judge, received low bid from Foshee & Gamford, Paris, at \$36,000, for 6.969 mi. grading, bridges and gravel surfacing, Highway No. 89, between Boston and Simms.*

Tex., Cameron—State Highway Dept., Hal Moseley, Chmn., Austin, received low bid from D. H. Buchanan Temple, at \$43,827 for 15.06 mi. grading, Highway No. 43, Milam County.*

Tex., Clarksville—Red River County, Geo. Morrison, Judge, plans 6.269 mi. grading and bridges, Highway No. 5-A; M. P. Hokmeyer, County Engr.

Tex., Eastland—State Highway Comn., Hal Moseley, Chmn., receives bids May 25, tentative date, for 2 roads in Eastland County: 3.60 mi. grading and bridges, Highway No. 23, from Cisco north, estimated cost \$140,000; 9.924 mi. grading and bridges, Highway No. 23, from point north of Cisco to Callahan County line, estimated cost \$55,000; Geo. E. Franklin, Engr.

Tex., Galveston—City Comms. plan paved driveway on Ave. K, Fortieth to Forty-third St.

Tex., Galveston—Comms. Court of Galveston and Brazoria Comms. plan grading road parallel with St. L. B. & M. Ry. tracks between Algoa and Chocolate Bayou; E. B. Holman, Galveston County Judge, Galveston;

C. J. Loggins, Brazoria County Judge, Angleton.

Tex., Georgetown—Williamson County, F. D. Love, County Judge, receives bids May 29, tentative date, for 11.492 mi. grading and bridges, Highway No. 29, Leander to Travis County line; estimated cost \$68,000; M. C. Wilborn Res. Engr.

Tex., Graham—Young County, W. F. Parsley, County Judge, plans 10.07 mi. grading and bridges, Highway No. 24, Graham-Jacksboro Road; Guy R. Johnston, County Engr.

Tex., Groweton—Trinity County, Fred J. Berry, Judge, receives bids May 27 for 19.05 mi. 26-ft. earthwork and drainage structures, Highway No. 94, estimated cost \$112,662; J. O. Booker, Engr.*

Tex., Hillsboro—Hill County, Olin Culberson, County Judge, plans bituminous surface on 2 roads: 4.85 mi. Highway No. 2-E, Johnson County line south, estimated cost \$27,400; 3.91 mi. Highway No. 6, Ellis County line southwest, estimated cost \$13,700; D. Morris, Div. Engr., Waco.

Tex., Houston—City, O. F. Holcombe, Mayor, received low bid from Uvalde Rock Asphalt Co., 829 Bankers Mortgage Bldg., at \$104,956, to pave Caroline St., Pierce Ave. to Holman St.; Scott Shambaugh, 1401 Dowling St., at \$11,795, permanent paving on Marshall St.

Tex., Luling—City, C. T. Greenwood, Mayor, plans 9 blocks of street paving.

Tex., Plains—Yoakum County Comms. plan road building; cost \$100,000. See Financial News—Bond Issues Proposed.*

Tex., San Juan—City plans street paving; cost \$60,000. Address The Mayor. See Financial News—Bond Issues Proposed.*

Tex., Sweetwater—City receives bids about May 20 for 21 blocks 30 and 50-ft. street paving, vitrified brick, vertical fibre brick, asphalt, concrete, waterbound macadam, asphalt concrete, curbing, gutter, excavation; Elrod Engineering Co., Sweetwater, Tex.*

Tex., Victoria—City plans paving street with rock asphalt. Address City Clk. See Financial News—Bond Issues Proposed.

West Virginia—State Road Comn., Charleston, receives bids June 1 for 14 roads: Boone County, 25 mi. gravel surfacing; Logan County, 4 mi. gravel surfacing Charleston-Logan Road; Wayne County, 11 mi. grading and gravel surface Lavalette-Wayne Road; 1 1/2 mi. grading and drainage Lavalette-Kenova Road; Mingo County, 4 1/2 mi. grading and draining, Nolan-Nauhauk Road; Harrison County, 1 mi. grade elimination and paving at Adamston; Barbour County, 3.3 mi. paving Philippi-Century Road, 6 1/2 mi. concrete surface, Moundsville-Cameron Road; E. B. Carskadon, Sec.

W. Va., Clarksville—Harrison County Court plans 2 roads in Eagle Dist.: 1 mi. road from Wyatt up Bingamon, off Clarksville-Mannington hard surfaced road; extend Lumberport road 4 mi. up Jones Run.

W. Va., Huntington—City Comn. contemplates widening Norway Ave. about 200 ft. Gallaher to Oliver Sts.

W. Va., Richwood—City, George E. Hurd, Mayor, plans 16-ft. tar-bound macadam road from end of pavement on West Main St. to corporate limits of Diana, and end of pavement on Riverside Drive to point near Cherry River Paper Co. mill, cost \$78,000; W. D. McClung, Recorder. See Financial News—Bond Issues Proposed.

W. Va., Williamson—City Comn. plans repairing streets; cost \$105,000. See Financial News—Bond Issues Proposed.*

Contracts Awarded

Fla., Auburndale—City, D. W. Thorpe, Jr. Mgr., let contract to West Construction Co. and J. J. McDonald for street paving.

Fla., Bowling Green—Town let contract to W. P. McDonald Construction Co., Lakeland, at about \$250,000 to hard surface principal streets, including two-way drive on Dixie Highway through city.

Fla., Sarasota—Sarasota County Comms. O. E. Roesch, Clk., let contracts for 10 roads: 3 mi. Desoto road, \$46,200; 3.5 mi. Verna road, \$29,260; Dean & Yarborough Construction Co.; 3.5 mi. Lockwood Ridge road, \$30,400; Bradenton road, \$3792; Englewood-Myakka, \$146,760; 3 mi. Swift road, \$8100; 2 mi. Clark road, \$36,520; 1 mi. McCall road, \$25,740; 1.75 mi. Woodmere-Manasota road, \$29,600; 4 mi. Old Myakka road, \$66,500; Broadbent Construction Co.*

La., Baton Rouge—Louisiana Highway Com., let contract to Southern Uvalde Rock Asphalt Co., Carondelet Bldg., New Orleans, for uvalde rock asphalt surface on present gravel base, with sheet asphalt binder on

New Basin Canal shell road, between West End and Carrollton Aves.

Maryland—State Roads Comm., 601 Garrett Blvd., Baltimore, let contracts for 3 roads: Dorchester County, 2.35 mi. concrete, Vienna toward Rhodesdale, Layfield & Waller Paving Co., Quantico, \$39,391; Wicomico County, 4.32 mi. concrete shoulders and amesite resurfacing, section Salisbury-Ocean City road, Hannaman & Burroughs Co., Salisbury, \$75,172; Worcester County, 1.20 mi. concrete, between Snow Hill and Salisbury, Hannaman & Burroughs Co., \$31,777.

Md., Salisbury—City, H. S. Miles, Solicitor, let contract to Louis E. Cissel, Hebron, to pave, curb and gutter E. Main St., Baptist to Cathell.*

Miss., Hattiesburg—Forrest County Board of Supvrs. J. B. Limbaugh, Pres., let contracts for street paving: E. A. Finch Paving & Construction Co., \$24,700 to pave Edwards St. with brick; S. K. Jones Construction Co., Jackson, \$199,000 for concrete paving on 4 streets.

Mo., Springfield—City let contract to Stigall Construction Co., Benton and Talmage Sts., to pave Fulton Ave., Central to Chestnut; and Florence, from Loren north. Address City Clk.

N. C., Asheville—Buncombe County Commissioners let contract to Belote Construction Co., 48 College St., for 12-in. curb on Turkey Creek Road, leading into Sand Mash.

N. C., Mount Tabor—J. S. Bowers, Whiteville awarded contract, at \$50,000, to hard-surface principal streets and sidewalks; F. F. Kelley, Mayor.

Okla., Norman—City let contract to E. R. Tibbets Construction Co., Oklahoma City, at \$143,481, to pave Dist. No. 58; Fred Cobb, City Engr.

S. C., Pickens—Town, G. G. Christopher, Clk., let contract to Carolina Contracting Co., Spartanburg, at \$25,000 for street and sidewalk paving, sheet asphalt, concrete base.*

Tenn., Cleveland—Bradley County Comr. let contract to Gamble Construction Co., Tennessee Electric Power Bldg., Chattanooga, for concrete highway between Cleveland and Hamilton County line.

Tenn., Jackson—City, J. G. Neudorfer, Comr. of Public Utilities, let contract to T. L. Hilliard, Jackson, at \$1.98 per sq. yd. for concrete permanent surface on East Baltimore and East Preston Sts.*

Tenn., Morristown—State Highway Dept., Nashville, let contract to Harrison, Walters & Prater, White Pine, to grade Memphis to Bristol Highway through Hamblen County, from Jefferson County line to Bulls Gap.

Tex., Big Spring—Howard County, H. R. Davenport, Judge, let contracts to General Construction Co., Cotton Exchange Bldg., Fort Worth, for 2 roads: about 45,000 yd. 2-in. Uvalde rock asphalt on 5-in. concrete base at \$2.77 per yd.; 3500 yd. 2-in. Uvalde rock asphalt, 5-in. concrete base, at \$2.77 per sq. yd.*

Tex., Ferris—City, W. A. Cox, Sec., let contract to W. E. Dozier, Austin Natl. Bank Bldg., Austin, at about \$124,805, for 3 1/4 mi. 18 to 56 ft. street paving, 5-in. concrete base, Uvalde rock asphalt topping.*

Tex., Floydada—City Comm., F. P. Henry, Mayor, let contract to Earl W. Baker & Co., Oklahoma City, at \$88,072, for 27,425 sq. yd. 2 1/2-in. brick, and 4 1/2-in. concrete base paving.*

Tex., Galveston—Galveston County Comr., John M. Murch, County Auditor, let contract to W. A. Kelso & Co., Inc., 2115 1/2 Mechanic St., at \$43,700 for improvements on Seawall Blvd., Twenty-fifth to Thirty-seventh St.*

Tex., Galveston—City Comr. let contract to W. A. Kelso & Co., 2215 1/2 Ave. C, at \$23,803 for 4-in. concrete base, 1-in. cold limestone rock asphalt top paving.*

Tex., Houston—City, O. F. Holcombe, Mayor, let contract to Smith Bros., Inc., Santa Fe Bldg., Dallas, at \$129,517, for permanent paving on Canal St. Milby to city limits; to A. M. Arnold & Co., Sumner and Elder Sts., at \$24,143, to pave Hardy St., Noble to Morris.*

Tex., Houston—Harris County, Chester H. Bryan, County Judge, let contract to W. H. Kerr, 1411 Welch St., to grade 8 mi. road between Friendswood and Ellington Field.*

Tex., Miles—Panhandle Construction Co., Lubbock awarded contract, at \$42,000, to pave 7 blocks with 2 1/2-in. brick on 5-in. concrete base.

Tex., Sherman—City, O. J. S. Ellingson, Mgr., let contract to Philpot Construction Co., 116 Chestnut St., Pine Bluff, Ark., at \$400,000, for 107,000 sq. yd. concrete paving 15-

000 cu. yd. excavation, 38,700 lin. ft. concrete curb and gutter.*

West Virginia—State Road Comm., Charles-ton, let contracts for 4 roads: Preston County, 5 mi. concrete, Northwestern Turnpike, Erwin to Macomber, Keeley Construction Co., Empire Bldg., Clarksburg, \$171,220; Pocahontas County, 4.5 mi. grading and draining, end of Project No. 3233-B, to end of paving near Randolph County, Keeley Construction Co., \$64,398; Randolph County, 11.5 mi. grading and draining, Beverly-Huttons Road, M. A. Good, Virginina, \$69,912; Webster County, 1 mi. grading and draining, Webster Springs-Diana Road, Paul S. Hornor Co., Goff Bldg., Clarksburg, \$18,280.*

Sewer Construction

Large sums are being expended for sewage facilities in connection with Land Development operations. Details will be found under that classification.

Ala., Samson—Town, G. D. King, Clk., receives bids May 17 for construction of sanitary sewer system. (See Machinery Wanted—Sewers.)

Ala., Selma—City lets contract May 31 for \$250,000 sewer system; W. O. Crisman, City Engr.*

D. C., Washington—District Comr. received following low bids for sewer work: William Pate, Jr., Rockville, Md., for Sixteenth St. Heights sewers; Adam McCandlish, 1215 Harvard St. N. W., for Van Buren St. sewer; M. Cain & Co., Inc., 13 Sixth St. N. E., Irving St. sewer; Joseph A. Forbes, 1708 Third St. N. E., for T St. sewer; W. Harry Angle for East Brightwood service sewers.*

Fla., Bonifay—City plans installing sanitary sewer system. Address The Mayor.

Fla., Brooksville—Bennett & Crane, Brooksville, has contract for storm and sanitary sewers and pavements; Gray Artesian Well Co., St. Augustine, Fla., for well and pumping equipment; W. G. Fritz & Co., West Orange, N. J., for water mains.*

Fla., Fruitland Park—See Roads, Streets, Paving.

Fla., Haines City—City plans voting on \$125,000 bonds for sewer extension; Jesse F. Ferrill, City Mgr.

Fla., Jacksonville—City, receives bids May 12 for materials and construction of sanitary sewers. (See Machinery Wanted—Sewers.)

Fla., Lakeland—See Land Development.

Fla., Miami—City receives bids May 17 for storm sewers in downtown section; Ernest Cotton, Director Public Service. (See Machinery Wanted—Sewer.)*

Fla., Palmetto—City let contract at \$25,000 to Curry & Turner Construction Co., Bradenton, for extension of present sewer system; E. K. Webb & Associates, Engrs.

Fla., Waldo—City plans expending \$25,000 for sewers. See Financial News—Bond Issues Proposed.

Ga., Atlanta—City Bond Coms., Wm. Candler, Chrmn., reported interested in installing sewer system; Wm. A. Hansell, Ch. of Constr.

Ga., Augusta—City receives bids May 10 for laying terra cotta pipe sewers. (See Machinery Wanted—Sewers.)

Ga., Meigs—Town, T. Tipton, Mayor, receives bids May 14 for storm sewers. (See Machinery Wanted—Sewers.)

Ga., Norcross—City, B. F. Summerour, Chmn. Water Board, receives bids May 11 for constructing water mains and sanitary sewers. (See Machinery Wanted—Sewers.)

Ga., Waycross—City plans \$100,000 sewer improvements. See Financial News—Bond Issues Proposed.

La., Plaquemine—Town, Fritz Wilbert, Mayor, receives bids May 25 for storm sewers. (See Machinery Wanted—Sewers.)

La., South Highlands, Shreveport—See Water Works.

Md., Baltimore—City receives bids May 12 for sewers and drains in Sewer District No. H-1. (See Machinery Wanted—Sewers.)

Md., Salisbury—City receives bids May 20 for constructing sanitary sewers. (See Machinery Wanted—Sewers.)

Miss., Hattiesburg—Myers Construction Co., low bidders for sewers and septic tanks.

Miss., Meridian—City will probably expend \$100,000 for sewer improvements. Address The Mayor.

N. C., Asheville—See Water Works.

N. C., Canton—See Roads, Streets, Paving.

N. C., Wilmington—City, J. E. L. Wade, Commr., receives bids May 10 for drainage at municipal golf course. (See Machinery Wanted—Drainage.)

Tenn., Murfreesboro—City, R. E. Lowe, Mgr., receives bids May 20 for complete sanitary sewer system. (See Machinery Wanted—Sewers.)

Tex., Childress—City will expend \$100,000 for sewer extension. See Financial News—Bond Issues Proposed.

Tex., Corsicana—Agar & Gabtry, San Benito, lowest bidders for sewer extensions; W. W. McClendon, Engr.

Tex., Fort Worth—Southwell & Abbott, 605 E. Second St., have contract for concrete storm sewer pipe on Lake St.; Ellsworth Long, 1823 Tremont St., contract for Park-Hill sewer.*

Tex., Galveston—City accepted bids of W. A. Kelso, 2220 C St., for extension of Twenty-sixth St. drain.

Tex., Galveston—City, E. M. Owens, Commr. Streets, receives bids May 6 for constructing reinforced concrete drain and appurtenances. (See Machinery Wanted—Sewers.)

Tex., Greenville—A. D. Duck has contract for cast-iron pipe; Henderson Rush, Engr., Greenville.

Tex., Groveton—See Water Works.

Tex., Mansfield—San Antonio Sewer Pipe Works, Bedell Bldg., San Antonio, has contract for sewer pipe for sewer system; Municipal Engineering Co., Engrs., Athletic Club Bldg., Dallas.*

Tex., Wolfe City—City plans installing sewerage system. Address The Mayor.

Va., Portsmouth—Oscie Dashiell, 507 South St., has contract for storm drains and sanitary sewers on High St.*

Va., Richmond—City, R. Keith Compton, Director Public Works, receives bids May 10 for combined storm and sanitary sewers in various locations. See Machinery Wanted—Sewers.)

Va., Lynchburg—City Council authorized sewer improvements.

Va., Roanoke—Tinsley Construction Co., Roanoke, has contract at \$31,732 for storm drain in Southeast section.

W. Va., Huntington—City, W. E. Neal, Mayor, contemplates sanitary and storm sewers for Roby Hollow drainage district; Barstow & McCurdy, Engrs., Akron, O.

Telephone Systems

Fla., Madison—Southern Bell Telephone Co., main office, Hurt Bldg., Atlanta, Ga., acquired site on W. Base St. for relay station; will soon begin construction.

Miss., Morgan City—Leflore Telephone Co., capital \$10,000, incorporated; W. B. Pindexter, W. W. Neblett.

Okla., Byron—Byron Mutual Telephone Co., incorporated; Earle Kirkpatrick, W. H. Walton.

Tenn., Nashville—Cumberland Bell Telephone & Telegraph Co., main office Atlanta, Ga., reported acquired exchanges and lines of Citizens Telephone Co. of Maury County; will operate.

Tex., Greenville—Greenville Telephone Co., A. C. Stuart, Pres., Texarkana, reported erect \$125,000 building and plant; plans not completed.

Textile Mills

Ga., Thomaston—W. H. Hightower, Sr., Pres., Peerless Mills, wires: "Will erect in this territory mill of approximately 30,000 spindles to manufacture tire fabric."

N. C., Spruce Pine—Chamber of Commerce reported interested in establishment of cotton mill.

N. C., Tarboro—See Electric Light and Power Plants.

Okla., Sand Springs—C. R. Miller Manufacturing Co. of Oklahoma, National Bank of Commerce Bldg., Tulsa, reported let contract to W. R. Grimshaw Construction Co. for constructing \$300,000 addition to bleachers, 82x368 ft.; concrete construction; brick walls, maple floors.*

S. C., Enoree—R. Z. Cates and MacFarlane L. Cates, Spartanburg, acquired Enoree Mills; will organize company with \$1,200,000 capital to operate. R. Z. Cates, Jr., wires: "Enoree Mills has been purchased by Z. R.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Cates and M. L. Cates; no change to be made at plant; 33,000 spindles and 846 looms."

Tenn., Kingsport—Holliston Mills, Norwood, Mass., reported to establish plant for manufacture of book cloth, yearly output 10,000,000 yds.; will also install complete bleaching plant; plans include 2 connecting buildings, 540 ft. long, 75 ft. wide, portion of one building having second story; company wires: "Norwood plant not removed; additional finishing plant and bleachery to be built at Kingsport; contract not let." E. W. Palmer, Kingsport Press, wires: "Holliston Mills of Tennessee, Inc., book cloth bleachers, buyers and finishers, new plant of Holliston Mills, Inc., of Norwood, Mass., definitely assured in Kingsport; 2 new buildings totaling 540x75 ft.; monitor roof, brick walls, part 2 story with elevators; plans now drawn; Charles E. Leonard, Engr., Kingsport; ready for bids on constructing electrical equipment and boiler equipment May 5; no contracts yet placed."

Tenn., Nashville—Thomas Henry & Sons, Inc., Trenton Ave. and Tioga St., Phila., Pa., reported to remove plant from Philadelphia; has site of 15 acres in West Nashville; will erect Turkish towel plant with 110,000 sq. ft. floor space; cost \$250,000; Robert & Co., Engrs., Bonn Allen Bldg., Atlanta, Ga.; Marr & Holman, Stahlman Bldg., Supervising Archts.: Rock City Construction Co., Contrs., 150 Fourth Ave., both Nashville. Robert & Co. wire: Thomas Henry & Sons, Inc., are moving plant to West Nashville; plant consists of 20,000 spindles and 134 looms; manufactures turkish towels, etc.

Tex., Houston—Houston Textile Mills, E. Montgomery Rd., reported let contract to Louis G. Hester, First Natl. Bank Bldg., for rolling steel doors; tinsel underwriters doors and elevator doors for mill addition.*

Water Works

Large sums are being expended for water-works in connection with Land Development operations. Details will be found under that classification.

Ark., Siloam Springs—D. B. Waynick, Siloam Springs Plumbing Co., has contract for water mains.

Fla., Avon Park—City plans extending water mains 2 miles; cost \$10,000. Address The Mayor.

Fla., Brooksville—See Sewer Construction.

Fla., Daytona Beach—City, Walter A. Richards, Mgr., plans extension to water works system; Metcalf & Eddy, Consult. Engrs., 14 Beacon St., Boston, Mass.

Fla., Miami Beach—City, Claude A. Renshaw, Mgr., reported to construct additional water main.

Fla., St. Petersburg—City, R. E. Ludwig, Director Public Utilities, receive bids May 24 for boring 3 test wells costing \$10,000 in Sawgrass section for water works.

Fla., Sarasota—City will construct water works plant on Orange Ave.; fireproof, upper floors for apartments for engineers in charge of plant; equipment will include pumps, auxiliary Stirling engine units with pumps and generators; install mains; will soon call for bids for construction.

Fla., Waldo—City plans installing \$30,000 water works system. See Financial News—Bond Issues Proposed.

Fla., Norcross—City receives bids May 11 for water mains. (See Machinery Wanted—Water Mains.)

La., South Highlands, Shreveport—City, E. M. Bodenheimer, Mayor, plans water and sewer improvements.

Md., Baltimore—City Board of Awards receives bids May 12 for excavating trenches and laying water mains on York road. (See Machinery Wanted—Water Works.)

Miss., Biloxi—City has preliminary estimates completed for extension of water works system; 4, 6, 8 10-in. cast-iron pipe Class B; also plans pumping station, fire stations and two reservoirs; install two 2500-gal. pumps, one 1500-gal. pump, one 1000-gal. service pump; A. S. Madding, City Engr.*

Miss., McComb—City let contract to Gray Artesian Well Co. for construction of new well and reworking old well.*

Miss., Centreville—City votes May 8 on \$16,000 bonds for water works and electric light plant. Address The Mayor.

N. C., Asheville—W. Floyd Bryan, 10 Church St., will soon let contract for water

and sewer lines in Sulphur Springs Park subdivision; cost \$150,000.

N. C., Canton—See Roads, Streets, Paving. N. C., Edenton—City, J. L. Wiggins, Mayor, receives bids May 20 for erection 250,000-gal. tank and steel tower. (See Machinery Wanted—Tank and Tower.)

N. C., Mount Tabor—City, F. G. Kelly, Mayor, will install water system, drill 300-ft. well; J. B. McCrary Engineering Corp., Citzens and Southern Bank Bldg., Atlanta, Ga., in charge.

N. C., Rocky Mount—Benvenue Service Corp., capital \$20,000, incorporated; J. P. Gunn, R. B. Davis; supply water, gas, etc.

N. C., Shelby—Tucker & Laxton, Inc., Realty Bldg., Charlotte, has contract for water works; Shelby Electric Co. has contract for wiring and Zeb Mauney, Shelby, will do grading; J. B. McCrary Engineering Corp., Atlanta, Ga.*

N. C., Tryon—City plans increasing water supply to 1,000,000 gal. daily, erect \$150,000 filter plant, pipe line and additional watershed. Address The Mayor.

Tenn., Elizabethton—J. B. McCrary Engineering Corp., Atlanta, Ga., are handling work for Mountain Spring Water Co., covering extension to present system to supply rayon plant of American Bemberg Corp., consisting of about 2 miles of 10-in. cast-iron mains; U. S. Cast Iron Pipe & Foundry Co., Birmingham, Ala., for cast iron pipe; R. D. Wood & Co., Philadelphia, Pa., for hydrants and valves; Summers Hardware Co., Johnson City, for lead and jute; also plan construction 500,000 gal. reservoir.*

Tenn., Lookout Mountain—Town, Hollis M. Caldwell, Mayor, is improving and extending water works, including \$10,000 fire hall; operate new LaFrance pump engine purchased from American LaFrance Fire Engine Co.; necessary hose, fire pumps, etc.; Cushman-Fairley Engineering Co., Engr., James Bldg., Chattanooga.*

Tex., Beckville—City contemplates constructing water works system; Municipal Engineering Co., Engrs., 1107 Athletic Club Bldg., Dallas.

Tex., Childress—City will expend \$35,000 for extension to water mains. See Financial News—Bond Issues Proposed.

Tex., Groveton—Following sub-contracts let for water and sewer system: R. D. Cole Mfg. Co., Newnan, Ga., for tank and tower; Southern Engine & Pump Works, 615 Washington St., Houston, for pumps and engines; United States Cast Iron Pipe & Foundry Co., Magnolia Bldg., Dallas, for cast-iron pipe; San Antonio Sewer Pipe Works, Bedell Bldg., San Antonio, for tile pipe; Layne-Texas Co., 6031 Harrisburg Rd., Houston, for deep well; Barker & Davis, Gen. Contrs., 508 N. Texas Bldg., Dallas.*

Tex., Kyle—City will install water works system; may vote on \$60,000 bonds. Address The Mayor.

Tex., Park Place, P. O., Houston—City, Mayor Charlton, reported considering erection of \$60,000 water-works plant.

Va., Louisa—City plans water works improvements. See Financial News—Bond Issues Proposed.

Va., Lynchburg—City Council authorized \$29,000 for water main in Rivermont Ave.

Va., Orange—Town, Dr. Frank B. Parry, Mayor, receives bids May 17 for improvements to pumping station. (See Machinery Wanted—Pumping Station.)

W. Va., Williamson—City, Lafe P. Ward, Commr., receives bids June 1 for water works system; about 3 miles of 8-in. cast-iron water mains, 2,000,000 gal. daily capacity reservoir; filtration plant; expend \$325,000; Burgess & Niple, Engrs., Columbus, O.*

Woodworking Plants

Ala., Alabama City—St. Mary's Wheel & Spoke Co. reported erect plant; has site.

Ala., Birmingham—Furniture—Sterchi Brothers, J. G. Sterchi, Pres., 420 S. Gay St., Knoxville, Tenn., reported contemplates building warehouse and distributing plant.

Ark., Fort Smith—Living Room Furniture—Fort Smith Couch & Bedding Co., Joe Ballman, Sec., 922 North Second St., let contract to John R. Murphy Constructing Co., 1504 South P St., for \$50,000 addition, 2 story, 100x180 ft., brick, oak floors, install \$8000 equipment.*

La., Amite—Amite Furniture Co., Inc., capital \$24,000, chartered; J. A. Clement, 2113 Audubon St.

N. C., High Point—Cummins Veneer Co., capital \$100,000, incorporated; C. J. Cummins, A. S. Armentrout.

N. C., Mt. Airy—Mt. Airy Veneer Co., W.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

E. Lindsay, will erect 4 story, 60x120-ft. building, corrugated galvanized iron, wood floors, corrugated iron roof; materials purchased; lathe, trimmer and grinder to be furnished by Coe Mfg. Co., Painesville, Ohio; daily output 80,000 to 100,000 ft. poplar veneer. (See Machinery Wanted—Pipe (Black Steel) ; Veneer Pins.)

Okla., Muskogee—Roller Furniture Co., Inc., capital \$25,000, chartered; Roy A. Roller, 105 S. Tenth St.

S. C., Cheraw—Furniture—Rainwater Brothers, capital \$30,000, incorporated; I. S. Rainwater, F. G. Rainwater.

Tex., Port Arthur—Phoenix Furniture Co., 701-3 Procter St., increased capital, \$100,000 to \$140,000.

Va., Bassett—Ramsey Furniture Co., Inc., E. T. Ramsey, Pres., will erect new plant: 100x500 ft.-150x200 ft., brick, cement and wood floors, built-up roof; estimated cost \$125,000; install \$100,000 equipment. (See Machinery Wanted—Woodworking Machinery.)*

Va., Marion—Marion Handle Co., Frank Copenhagen, plans establishing woodworking plant.

FIRE DAMAGE

Ala., Birmingham—Residence, 3215 Cliff Rd. of A. H. Woodward, Pres., Woodward Iron Co.; loss \$10,000.

Ala., Decatur—Savoy Cafe, Bank and Lafayette Sts., operated by Jimmie James, owned by heirs of J. F. Scott Estate.

Ark., Marked Tree—Buildings owned by E. Ritter Estate, care L. V. Ritter, occupied by M. Les, dry goods; A. R. Frazier, grocery; E. Ritter & Co., office, post office, etc.; loss \$75,000.

Ark., Morrillton—Portion of M. H. Lumber Co.'s plant; loss \$40,000.

Ark., Morrillton—Pierce Young Lumber Co.'s plant; loss \$200,000.

Ark., Norphlet—Daniels & Downs feed store, Traylor cotton house, L. P. Coonet plumbing shop; loss \$10,000.

Ark., Texarkana—Portion of plant of Everett-Wotlington Candy Co., at 404 W. Elm St.

D. C., Washington—Hahn Shoe Store, 1207 F St. N. W.; loss \$25,000.

Fla., Tampa—John Knight's garage and paint shop at Grand Central and Willow Ave.; loss \$10,000.

Ga., Macon—Clubhouse, barns and livestock sheds in Central City Park; loss \$10,000.

Ga., Sparta—The Hancock Lumber Co.'s plant.

Ky., Benton—Ollie W. Collie's residence.

Ky., Berea—R. H. Chrisman furniture store, J. L. Combs' grocery store and meat market; loss \$35,000.

Ky., North Middletown—M. E. Rash's residence near North Middletown.

Ky., Owensboro—St. Williams Parochial School at Knottsville; loss \$40,000.

La., Eros—Tremont Lumber Co.'s sawmill and power plant; loss \$150,000.

Md., Baltimore—Calhoun Garage, 1721 N. Calhoun St., occupied by Henry Berger.

Md., Baltimore—Second floor of bag factory of American Agricultural & Chemical Co., Clinton St. and Tenth Ave.; loss \$10,000.

Md., Elkton—Howard Hotel and Sigman's Furniture Store; loss \$150,000.

Md., Salisbury—City Hand Laundry, E. Camden St., W. Arthur Kennerly, owner, loss \$10,000; Fulton W. Allen's residence at Tony Tank, loss \$10,000.

Miss., Laurel—Laurel Hardwood Lumber Co.'s mill; loss \$60,000; operated by John T. Baldwin.

Miss., Water Valley—Yeocoma Cotton Twine Mills, operated by Wagner & Co.; loss \$125,000.

Mo., Kansas City—Kansas City Telephone Co.'s garage; loss \$55,000.

Mo., St. Joseph—Warehouse of Grain Belt Mills; loss \$25,000.

N. C., Burlington—Jenkins rooming house at 504 Church St., owned by Miss Minnie Jenkins.

N. C., Charlotte—Portion of Michelin Tire Co.'s branch at 240 W. First St.; loss \$50,000.

N. C., Chesenee—Weaver & McMillan department store; loss \$25,000.

N. C., Greensboro—Will Ingram's residence, Battleground Rd. near Greensboro, owned by A. M. Scales, S. L. and Tr. Bldg.

N. C., Lexington—Residence of Jesse W. Dickens, County Supt. of Welfare, in Silver Hill township near Lexington.

N. C., Nashville—Two stores owned by W. G. Roberson, occupied by Steadman Stores Co.; pressing club building owned by J. J. Jones; frame store owned and operated by B. H. B. Vester; G. C. Collins' undertaking establishment, owned by Mrs. P. J. Ricks, and Jones & May Co.; loss \$40,000.

N. C., Reelsboro—East Carolina Lumber Co.'s plant; loss \$50,000.

N. C., Spencer—Residences of Thos. Grubb, and R. B. Leyer; latter owned by Rev. E. C. Shoe, Wake Forest.

N. C., Wilmington—Shaw's Undertaking establishment; Beverly's barber shop on Red Cross St.

Okla., Picher—Plant of the Oklahoma Boiler Works; loss \$25,000.

S. C., Summerville—C. D. Kenney restaurant, Carolina Fruit Store, Arcade Building.

S. C., Union—Waste room of Buffalo Mills.

Tenn., Bethel Springs—Methodist Church.

Tenn., Dresden—Will Bragg's dwelling, Dresden-Greenfield Rd. near Dresden, occupied by John Van Dike and Mr. Muzzall.

Tenn., Estill Springs—Residences of Walter Herrord and Mrs. A. L. Walker.

Tenn., Knoxville—Building at Five Points, in Park City, owned by W. M. Simpson, 131 Keller St., occupied by Five Points Auto Ser-

vice Garage, Know Rubber Co., Gulf Refining Co. offices, and apartments; loss \$40,000.

Tenn., Knoxville—Hudson-Payne Shuttle Co.'s building and equipment; loss \$15,000; Roger Hudson, Pres.

Tenn., McMinnville—Store of W. V. Peden in Magness Building; loss \$15,000.

Tenn., Nashville—Residences of John Oman, H. M. Vickery, Jim Glenn and others, all 900 block Sixth Ave.

Tex., DeKalb—G. D. Mathis, tailor shop; Good Tally, barber shop; C. E. Ross, grocery; Charles Blackburn, restaurant and meat market; loss \$11,500.

Tex., Lubbock—Ellwood Hospital, care Dr. V. V. Clark; loss \$10,000.

Tex., Turkey—Greene Dry Goods Co., Meacham General Merchandise Store and others; loss \$100,000.

Va., Howardville—B. F. Averill's residence, Wm. Acock's tobacco barn, J. S. Dayerles' sawmill, etc.

Va., Richmond—Six storage buildings of the Tredegar Iron Works, at Sixth St. and Canal bank; loss \$40,000.

W. Va., Grafton—Tygart Valley Glass Co.'s plant, loss \$100,000.

W. Va., Hepzibah—Wilson Garage; loss \$17,200; Arthur B. Wilson, Mgr.

Damaged by Storm

Ark., Bearden—Storehouse of Stout Lumber Co., loss \$50,000.

plans \$150,000 building; \$100,000 Sunday school later. Address The Pastor.

Fla., Gainesville—First Methodist Church erect \$200,000 building. Address The Pastor.

Fla., Palm Beach—Roman Catholic Church, Rev. F. J. Clarkson, S. J., Pastor, selected Mortimer Dickerson Metcalfe as architect for \$500,000 St. Edwards Church; Spanish type, seat 900.

Fla., Winter Park—Baptist Church having plans drawn by Jas. E. Greene, Farley Bldg., Birmingham, Ala., for building.*

Fla., Winter Park—Calvert Protestant Church has permit for \$20,000 building, Parklano subdivision. Address The Pastor.

Ky., Owensboro—Settle Memorial Church contemplates \$50,000 Sunday school addition. Address The Pastor.

La., New Orleans—Temple Sinai Congregation, Jacob Bloom, Chmn., Bldg. Comm., 1845 Tchoupitoulas St., selected Emile Weil, Inc., Whitney Bldg.; Moise H. Goldstein, Hibernia Bldg., and Weiss & Dreyfous, Maison Blanche Bldg., as architects for synagogue, St. Charles and Calhoun Sts.*

Md., Baltimore—Grace and St. Peters' P. E. Church, Dr. H. P. Almon Abbott, Rector, erect \$85,000 parish house, Park Ave. and Monument St.; Waldemar Ritter, Archt., Brookline, Mass.

Md., Baltimore—Beth Jacob Congregation, 144 N. High St., Isaac Bolanski, Chmn., Bldg. Comm., purchased bldg., Cottage and Oswego Aves.; will improve and later erect synagogue.

Miss., Blue Mountain—Methodist Church, Dr. T. C. Dorsey, Pastor, erect \$50,000 building.

Miss., Brooksville—Rev. Seaman Rhea is pastor of church to erect \$15,000 brick building.

Miss., Senatobia—First Baptist Church, Rev. Mr. Crosway, Pastor, soon call for bids for brick veneer building, Ward St.; cost about \$20,000, 45x70 ft., composition roof, heating system; Jones & Furbringer, Archts., Porter Bldg., Memphis, Tenn.

Miss., Vicksburg—Trinity P. E. Church, R. P. Jones, member, Bldg. Comm., erect parish house.

Mo., Kansas City—Oakley M. E. Church, Rev. Harvey A. Jones, Pastor, erect Sunday school-social center building, Elmwood and Independence Aves.; 2 or 3 stories; cost \$40,000 to \$50,000 if 2 stories.

Mo., Millwood—St. Alphonsus R. C. Church, Rev. Wm. Francis Carr, Pastor, erect \$40,000 building; brick and Bedford stone; Henry P. Hess, Archt., 1237 N. Taylor St., St. Louis.

N. C., Chimney Rock—Rev. W. L. Latham, Rev. R. T. Baker, and others, Rutherfordton, interested in Presbyterian Church.

N. C., Durham—West Durham Methodist Church, Rev. J. A. Martin, erect \$50,000 building, Sixth St. and College Rd.

N. C., Winston-Salem—Burkhead Methodist Church, 15th and English Sts., erect \$15,000 addition; brick, tile and concrete, tile roof, art glass windows; plans by Architectural House Planning Service Co.

Okla., Chickasha—First Christian Church having plans drawn by Storey & Vahlberg, Braniff Bldg., Oklahoma City, for \$75,000 church and Sunday school.*

Okla., Drumright—Methodist Episcopal Church, Rev. Mr. Kirk, Pastor, having plans drawn by F. A. Duggan, 219 Castle Bldg., Tulsa, for \$50,000 building; 2 stories, 120x60 ft.*

Okla., Cushing—First M. E. Church, Rev. John A. Callow, Pastor, having sketches drawn by Edward Louis Gahl, 311-12 S. W. Nat. Bank Bldg., Oklahoma City, for \$50,000 building; brick and stone, 2 stories and basement, ell shape.*

Okla., Sallisaw—Methodist Episcopal Church, Rev. J. E. Bryan, Pastor, erect \$20,000 brick building.

S. C., Newberry—First Baptist Church receiving bids for addition to building and remodeling parsonage. Address The Pastor.

Tenn., Bethel Springs—Methodist Church rebuild structure noted burned. Address The Pastor.

Tenn., Knoxville—South Knoxville Baptist Church probably let contract within 3 weeks for Gothic type building; sandstone; R. F. Graf & Sons, Archts., Journal Bldg.

Tenn., Memphis—Lindsay Memorial Church, Rev. A. T. Lindsay, Pastor, erect \$60,000 building, Dickerson and Tutwiler Sts.; brick and stone, 3 stories and basement, 101x64

BUILDING NEWS

BUILDINGS PROPOSED

Association and Fraternal

Ark., Branch—Royal Arch and Blue Lodge Masons erect stone temple; 2 stories, 50x100 ft.; 2 stores on first floor.

Ark., Little Rock—Young Men's Christian Assn., J. Blaine Withee, Gen. Sec., Fifth and Scott Sts., erect \$400,000 building, Sixth St. and Broadway; funds subscribed.*

D. C., Washington—Acacia Grand Lodge, A. F. & A. M., Chas. P. Ford, Grand Master, Machinists Bldg., raising funds for \$33,000 temple, Tenth and U Sts.

Fla., New Smyrna—Ancient Free & Accepted Masons accepted plans for temple, Hillsboro and Washington Sts.; 2 stories.*

Ga., Atlanta—Electa Chapter No. 6, Order of Eastern Star, inaugurate \$100,000 campaign for temple.

Miss., Jackson—Lamar Lodge No. 30, K. of P., W. R. Lee, Sec.-Treas., purchased site and plans building, N. President St. near Amite St.

Tenn., Cleveland—Wildwood Camp, W. O. W., has low bid at \$25,783 from H. H. Michael for 2-story brick store and lodge building, Inman St.*

Tenn., Knoxville—Lodge No. 160, B. P. O. E., Gay and Hill Sts., having plans drawn by Baumann & Baumann, 813½ Market St., for fireproof lodge building; reinforced concrete, 5 stories, oak floors, concrete foundation, composition roof; furnishings, equipment, etc., \$50,000. See Machinery Wanted.*

Tenn., Memphis—Knights of Pythias remodel building, N. Third St.; cost \$30,000; Hunker & Cairns, Archts., Hill Bldg.; bids in.

Tex., Fort Worth—Independent Order of Odd Fellows has permit for \$20,000 brick store and lodge building, Sixth and Grove Sts.

Bank and Office

Fla., Sarasota—Bank of Sarasota erect building, site present structure, Pineapple Ave. and Main St.

Fla., St. Petersburg—Real Estate Board plans building close to Central Ave. and Fourth St.

Ga., Atlanta—Industrial Realty Co. has permit for 3-story and basement, reinforced concrete building, 234-36 Marietta St.

Ky., Canton—Champion Bank & Trust Co. erect building, Main St.

La., Algiers, New Orleans—Algiers Trust & Savings Bank about ready for bids on pressed brick building, Verret and Eliza Sts.; stone trim, 1 story, 40x60 ft., composition roof, vaults, bank fixtures, plumbing, heating, electric work. Address Favrot & Livaudais, Ltd., Archts., Hibernia Bank Bldg., New Orleans.

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Churches

Ark., Pine Bluff—First Baptist Church, J. R. Allen, member, Bldg. Comm., selected Jas. E. Greene, Farley Bldg., Birmingham, Ala., as architect for \$50,000 brick Sunday school annex; 4 stories; seat 2000.

D. C., Washington—St. Peters P. E. Church has broken ground for parish house. Address The Rector.

D. C., Washington—St. Paul's English Lutheran Church, 11th and H Sts. N. W. and Evangelical Lutheran Church of the Epiphany, Sixteenth and U Sts. N. W. merged under name and charter of former; will erect church, Sunday school building and parsonage, Connecticut Ave. and Ellicott St. N. W.; Rev. John T. Huddle and Rev. W. C. Waltemeyer, pastors.

Fla., Coral Gables, Miami—Baptist Church

CONSTRUCTION DEPARTMENT

ft., composition roof, natural or cast stone trim, 20 art glass windows, misc. steel, hot-water heat; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.; bids in.

Tenn., Nashville—Belmont Heights Baptist Church will complete building; cost about \$100,000. Address The Pastor.

Tex., Houston—Bering Memorial Methodist Church, 1440 Harold St., ready for bids on 2-story building; cost \$45,000; 64x89 ft., cement floors, Johns-Manville roof. Address Jas. Ruskin Bailey, Archt., 1606 Main St.*

Tex., Matador—Methodist Church, T. T. Jameson, Chmn., Bldg. Comm., has broken ground for brick and concrete building; 50x50 ft., seat 500; Sunday school room in basement to accommodate 300.

Tex., Mission—Roman Catholic Church erect \$30,000 building; remodeling old church in South Mission for school. Address The Pastor.

Tex., Olney—Cumberland Presbyterian Church, J. A. Rodgers, Pastor, has low bid at \$22,250 from Chas. M. Bialkowski, P. O. Box 637, Wichita Falls, for brick, stone and reinforced concrete building; 1 story, balcony and basement, 61x84 ft.; A. H. Smith & Sons, Archts., 503 Reynolds Bldg., Fort Worth.

Tex., Rising Star—Methodist Church erect \$25,000 building; 1 story and basement; brick, etc., on ground. Address The Pastor.

Tex., Wichita Falls—First Methodist Church, J. J. Perkins, Chmn., Bldg. Comm., receives bids May 10 for fireproof building, Tenth and Lamar Sts.; cost \$400,000, brick, stone and reinforced concrete, 2 stories and basement, with 3-story L-shaped wing, 80x130 ft. and 90x90 ft.; Wyatt C. Hedrick (succeeding Sanguinet & Staats), First Nat. Bank Bldg., Fort Worth, and Wm. Ward Watkin, Scanlon Bldg., Houston, Asso. Archts.*

Tex., Wichita Falls—Good Shepherd P. E. Church, Tenth and Burnett Sts., J. H. Allison, Chmn., Finance Comm., erect \$22,500 parish house and \$12,500 rectory; brick veneer, 2 stories, former about 50x80 ft., concrete and wood floors, concrete foundation, composition roof. Address C. J. Pate, Archt., City Nat. Bank Bldg.*

W. Va., Elkins—St. Brendens R. C. Church, Randolph and Park Aves., Rev. J. H. Corcoran, Pastor, erect \$50,000 building; stone and brick, tile roof.

City and County

Ala., Anniston—City Council considers fire station.

Ala., Sheffield—City, Allen J. Roulhac, Pres., City Comm., selected Frahn Co., Inc., as architects for \$75,000 city hall; bonds voted.*

Fla., Bradenton—City plans \$60,000 fire station-armory building, Florida St. near Washington Ave.; brick or stone, 3 stories; J. H. Johnson, Archt., Box 744.

Fla., Deerfield—Town, W. L. Sweat, Town Clk., erect \$35,000 town hall and jail; bonds available.

Fla., Haines City—City Commission considers election on \$60,000 city hall bonds; \$15,000 available; W. H. Scales, Archt.; city also considers erecting bath house at Lake Tracey.*

Fla., Haines City—Haines City Lodge No. 157, K. of P., G. W. Pringle, member, interested in band stand and rest room, Railroad Park.

Fla., Miami—City plans clubhouse on proposed golf course, Opa-Locka townsite.

Fla., Miami—City Commission plans bandstand, Bay Shore Park; seat 1000.

Fla., Miami—Dade County Board of Commrs., J. D. Redd, Chmn., receives bids May 12 (extended date) for interior finish for \$2,250,000 courthouse under construction as follows: Section No. 7, covering (A) masonry partitions; (B) marble, tile, terrazzo and slate; (C) ornamental iron and bronze; (D) plastering (plain and ornamental); (E) hollow metal doors, vault doors, elevator fronts and sheet metal work; Section No. 8, covering (A) carpentry and millwork; (B) composition and rubber tile floors; (C) painting and decorating; (D) interior glass and glazing; (E) hardwood (rough); (F) hardware (finish); plans and specifications from A. Ten Eyck Brown, Archt., and August Geiger, Archt., 8-9 Hippodrome Bldg., Miami, or 717-20 Forsyth Bldg., Atlanta, Ga.; L. W. Hancock, Gen. Contr., Louisville Trust Bldg., Louisville, Ky., and 634 N. W. Seventh St., Miami.*

Ga., Macon—City, Wallace Miller, Mayor, rebuild barns and sheds at Central City Park destroyed by fire; cost \$10,000.

La., DeRidder—American Legion interested

in \$25,000 city auditorium-community building.

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., erect fire station, Mount Washington Heights.

N. C., Louisburg—Franklin County Board of Commrs., Arthur Strickland, Chmn., receives bids May 3 for home for aged and infirm; brick and hollow tile, steam heat, water and sewer systems; separate bids for heating and plumbing; plans and specifications from M. S. Davis, Archt.

N. C., Williamston—Martin County Board of Commrs., H. C. Green, Chmn., receives bids May 10 for jail and county home buildings; former \$60,000, latter \$100,000; plans on file at office Register of Deeds, Williamston, or may be had from H. Robt. Diehl, Archt., W. Gold St., Wilson; Rudolph, Cooke & Van Leeuwen, Inc., Asso. Archts., Arcade Bldg., Norfolk, Va.*

Okla., Duncan—City Commission, J. W. Marshall, City Atty., call election within 30 days on \$25,000 library bonds.

Okla., Eufaula—McIntosh County votes May 11 on \$75,000 courthouse bonds. Address County Commrs.

Okla., Pawhuska—Osage County Board of Commrs., Mr. DeRoach, Chmn., Fair Comm., erect \$30,000 administration building; 1 story, 100x100 ft., brick and steel.

Tenn., Jacksboro—Campbell County Court erect \$100,000 courthouse to replace burned structure; probably open bids latter part of May; fireproof, 2 stories, about 70x110 ft., concrete floors, composition roof; will use old stone foundation; furnishings, equipment, etc., \$50,000 to \$10,000; John Godley, Archt., care Winston Baird, Main St. Address Wm. Allen, County Judge, or Mr. Baird. See Machinery Wanted.*

Tenn., Memphis—Auditorium Commission receiving bids and specifications for cooling plant in South Hall of Auditorium. Address C. A. McElravy, Managing Director, Auditorium.

Tex., Childress—City votes in May on \$40,000 City Hall bonds. Address City Council.

Tex., Denton—City Commission, B. W. McKenzie, Mayor, plans city hall; may call bond election.

Dwellings

Ala., Birmingham—L. E. Bashinsky, 3400 Altamont Rd., erect \$12,500 residence, Forrest Park; common brick, 2 stories, 50x54 ft., composition roof, white oak floors, hot air heat; Geo. P. Turner, Archt., American Trust Bldg.

Ala., Birmingham—E. H. Cooley, 6229 First Ave., erect hollow tile and stucco residence, Woodlawn Heights; 1 story, tile roof and baths, hardwood floors, hot air heat; Geo. P. Turner, Archt., 1203-4 American Trust Bldg.

Ala., Birmingham—Louis Jacobson, 2210 S. 17th St., erect red brick veneer residence, Milner Heights; 2 stories, 38x43 ft., cast stone, clay and shale tile roof, oak floors, hot air heat, struct. iron; Phillip S. Mewhinney, Archt., 1014 Woodward Bldg.; bids in.

Ala., Ganta Quarry—W. H. Runge erect \$25,000 residence; shingles, 1 story, 60x60 ft., tile baths and mantels, oak floors and finish, stone trim; Wm. Leslie Welton, Archt., 1905 American Trust Bldg., Birmingham; plans completed.

Ark., Little Rock—D. R. McClurg, 924 W. Fourth St., erect brick veneer residence, Crystal Court addition; tile bath; Sanders & Ginochio, Archts., 201 Hall Bldg.; receiving bids, date of closing not set; following contractors estimating: B. H. Crawford 2124 Pine St.; Herron & Joy, 3302 High St.; Frank Carmean, Park Hill; M. F. Lawing, 4618 T St.; A. J. Holland, 120 N. Spruce St.; C. L. Harling, 412 Park St.

Ark., Little Rock—G. S. Simmons, 1222 Rock St., erect brick veneer residence, Crystal Court addition; 2 stories, hardwood floors, tile bath; Sanders & Ginochio, Archts., 201 Hall Bldg.; bids in.

Ark., Mulberry—Gene Hall erect residence. D. C. Washington—Wm. A. Ostmann, Brookvale Rd. and Raymond St., Chevy Chase, Md., erect Dutch Colonial residence, Ingleside, Rockville Pike.

D. C., Washington—C. Griscom Randle erect residence, 22-acre tract, Rockville Pike.

Fla., Bunnell—C. C. Benjamin erect residence, Lake Terrace.

Fla., Coconut Grove, Miami—John Opsahl, Crystal Court, South Miami, erect residence, The Moorings.

Fla., Coral Gables, Miami—Richards O.

Manufacturers Record

Maxwell has \$66,000 permit for residence, 836-40 Coral Way; 2 stories; John and Coulton Skinner, Archts.

Fla., Jacksonville—T. R. Smith, 3406 St. Johns Ave., erect \$12,000 tile and stucco residence, St. Johns St. near Talbot St.

Fla., Jacksonville—A. T. Nooney, Bisbee Bldg., erect \$11,000 brick veneer residence, Windsor Road, near Knight St.; 2 stories.

Fla., Orlando—A. W. McDonald, 221 S. Orange St., erect 4 dwellings and 4 garages, Lancaster Park; total cost about \$45,000.

Fla., Sarasota—Greater Florida Finance & Building Corp., 26 Lords Arcade, erect number dwellings, hotels, apartment houses, business blocks; dwellings to cost \$3500 to \$15,000; work to extend over period of 5 years or more; F. H. Trimble, Archt., 117 N. Main St., Orlando; will let contracts from time to time. See Machinery Wanted.*

Fla., Sebring—Highlands Mortgage Co. erect about 40 dwellings, Woodlawn Terrace; 20 in first unit.

Fla., St. Augustine—C. M. Clark, Miami Beach, erect residence, Davis Shores.

Fla., Tampa—A. C. Jensen, Mgr., Tampa Motor Sales Co., 1109 Florida Ave., erect \$25,000 Spanish Renaissance type residence, Curlin Place subdivision; hollow tile and stucco; Felsch & Southwell, Archts., 1310 S. Delaware Ave.; G. Herbert French, Asso. Archt.

Fla., West Bay—Seminole Plantation Co., Ernest Pope, Pres., 100 E. Forty-second St., New York, erect dwellings in connection with development of orange groves and vineyards.

Fla., West Palm Beach—G. F. Laughlin erect \$10,000 stucco residence and garage, Washington St.

Fla., Winter Park—Judge T. P. Warlow erect \$15,000 residence.

Fla., Winter Park—J. E. Peterson erect \$12,000 residence.

Fla., Winter Park—R. O. Ward erect \$10,000 residence.

Fla., Winter Park—J. A. Holsman erect \$10,000 residence.

Ky., Louisville—J. C. Heitzman, 1851 Princeton Drive, erect \$8000 dwelling and \$4000 store, 2216-18 Dundee Rd.

Ky., Louisville—Ruth R. Lively erect \$10,000 residence, 684 S. 44th St.

Ky., Louisville—Dr. Allen McNally, Francis Bldg., erect \$16,000 residence, 209 Penn Ave.

Ky., Louisville—H. G. Whittenburg erect 3 dwellings, 3416-3505-3514 Grand St.; total cost \$14,000.

Ky., Louisville—Horan Hays, 1277 Willow Place, erect \$12,500 residence, 1816 Windsor Place.

Ky., Haynesville—Dr. C. O. Wolf erect \$22,000 residence; brick and hollow tile, 2 stories and part basement, 48x37 ft., tile roof and bath, Celotex, Algonite stone, gas-steam radiation; Seymour Van Os, Archt., 1212 City Bank Bldg., Shreveport.

La., New Orleans—Raoul J. Vallon, Jr., 3100 Napoleon St., erect Colonial residence, West End Blvd.; brick veneer and hollow tile, 2 stories, slate and composition roof, tile and oak floors, hot-water heaters, metal garage; Lockett & Chachere, Archts., 603 Title-Guarantee Bldg.; ready for sub-bids about 3 weeks.

La., New Orleans—J. Cusimano, care John T. Boesch, Archt., 1307 France St., erect frame residence; 1-story, 7 rooms, tile roof, hardwood floors, 2 tile baths; cost about \$10,000.

La., New Orleans—D. Lally, care John T. Boesch, Archt., 1307 France St., erect \$11,000 residence; hollow tile and stucco, 1-story, slate roof, hardwood floors, tile baths.

La., Ruston—B. H. Rainwater erect residence, Maryland Ave., near Vienna St.

Md., Annapolis—H. A. Read, 1617 E. Fairmount Ave., Baltimore, erect residence, Briar Cliff Road, Briar Cliff-on-the-Severn.

Md., Baltimore—Henry W. Marston, 1323 Madison Ave., erect cottage, Hill Top Road, Ten Hills; Caughy & Co., Inc., Contrs., 220 E. Lexington St.

Md., Baltimore—Frank B. and Robt. A. Bready, Griffith and Dennis Aves., erect 19 brick dwellings, near Washington Blvd. and B. & O. R. R.

Md., Baltimore—Highland Home Building Co., Fayette and Third Sts., erect 27 brick dwellings, 2500 block Aisquith St.; 2 stories; total cost about \$54,000.

Md., Baltimore—Jos. F. Moreland, 5402 Harford Ave., erect 43 dwellings, Biltmore

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

CONSTRUCTION DEPARTMENT

Farms, Taylor Ave. W. of Harford Rd.; 5 rooms, shingle; also 40 tile and stucco bungalows, Alvarado, Harford Rd. near Taylor Ave.; 5 to 7 rooms, Spanish and California types; construction in groups of 10.

Md., Baltimore—Columbia Construction Co., J. Meyerhoff, Pres., Munsey Bldg., erect 25 brick dwellings, E. side Wheeler Ave. N. of North Ave.

Md., Baltimore—Arthur V. Hooper, Gunther Bldg., erect \$17,000 residence, Cross Country Blvd. near Pimlico Rd.; 2½ stories, 45x26 ft., slate roof, steam heat; S. B. Colt, Archt.

Miss., Clarksdale—H. J. Robinson erect stucco residence; 1-story and basement, 49x33 ft., asphalt roof, oak floors, tile bath, garage; Lyman Abbott, Archt.

Mo., Raytown—Mrs. Geo. R. Collins, 3345 Highland Ave., Kansas City, purchased 103-acre tract near Raytown, and develop for summer residence.

Mo., Joplin—Frank Malang, 517 N. Jackson St., erect 5 dwellings, 2900 block Main St.; total cost \$31,300.

Mo., Kansas City—H. E. Howard, 3145 Benton St., erect residence, 7203 Washington St.

Mo., Kansas City—David R. Montford, 5417 Brooklyn Ave., erect residence, 5426 Park St.

Mo., Kansas City—Otis Stark, 4210 E. 55th St., erect residence, 5418-20 Jackson St.

Mo., Kansas City—Ernest O. Brastrom erect \$10,000 residence, 3725 Valentine Rd.

Mo., Kansas City—Mrs. Hattie M. Ellis erect \$15,000 residence, 601 Meyer Blvd.

Mo., Kansas City—Fidelity Building Co., 609 Minnesota Ave., erect 4 dwellings, 8-12-15-20 E. 70th St.; total cost \$32,000.

Mo., Kansas City—E. M. Figley, 1334 Rowland Ave., erect 6 dwellings, 2411 E. 40th, 4000-04-06-10-12 Wabash St.; total cost \$18,000.

Mo., Kansas City—K. A. Huber, 3848 Euclid St., erect 2 dwellings, 5831-39 Euclid Ave.

Mo., Kansas City—Hudgins Building Co. erect dwellings, 1800-04-06 E. 67th St.; total cost \$10,000.

Mo., Kansas City—J. C. Nichols Investment Co., 307 W. 47th St., erect dwellings, 800 Green Way Terrace and 405 Dartmouth Rd.; total cost \$20,000.

Mo., Kansas City—Frank E. Vrooman, 306 Krauthoff Ct., erect \$10,000 residence, 4801-03 Holly St.

Mo., Kansas City—Thos. E. Davis erect residence, 3315 Wayne Ave.

Mo., Kansas City—Raymond E. McKee erect residence, 224 E. Winthrop Rd.

Mo., Kansas City—Morris Minkin, 4135 Paseo St., erect residence, Meadow Park.

Mo., Kansas City—Stanley Novick erect residence, 1633 Topping Ave.

Mo., Kansas City—Frank Palmero erect bungalow, 4236 St. John Ave.

Mo., Kansas City—Mrs. Lena L. Prange erect residence, 2018 Victor St.

Mo., Kansas City—Mrs. Jessie E. Rich erect residence, 1304 Winchester Ave.

Mo., Kansas City—John F. Shipley erect residence, 1719 Virginia Ave.

Mo., Kansas City—Earl Tate, 705 W. 75th St. Terrace, erect residence, 6822 Rockhill Rd.

Mo., Kansas City—Ray A. Thies, 4806 Fairmount Ave., erect \$30,000 English type residence, 1206 Stratford Rd.

Mo., Kansas City—Judson Wood reported erect 76 dwellings, Argentine Blvd., W. of 12th St.

Mo., Springfield—Dr. C. E. Feller, 200½ E. Commercial St., plans brick veneer residence, 1431 N. Jefferson Ave.; 8 or 10 rooms.

Mo., St. Louis—Jos. M. Ebeling, Atty., 500 Olive St., erect residence, Mohican Mound, Osage Hills.

Mo., St. Louis—Frank B. Paxhia erect \$30,000 Italian Villa type residence, Natural Bridge Road, Bel-Nor; Jesse L. Bowling, Inc., Archts., Arcade Bldg.

N. C., Greensboro—R. I. C. Craftsman Co. erect \$10,000 dwelling, Tremont Drive, brick veneer, 2 stories, 8 rooms, composition roof.

N. C., High Point—G. H. Kearns has permit for \$25,000 residence, Hillcrest and Hanover Sts.

N. C., High Point—R. T. Amos has permit for \$35,000 residence, Forest Hill Drive.

N. C., Raleigh—Dr. L. B. Capehart, Lightner Arcade Bldg., has permit for \$10,000 brick veneer residence, E. Smithfield St.; Tom Wade, Contr., 701 S. Blount St.

N. C., Winston-Salem—Burge & Damoth have drawn plans for number dwellings.

Okl., Oklahoma City—H. Lee, 2218 W. 22nd St., erect 2 dwellings, 1925-2021 W. 22nd St.; total cost \$10,000.

Okl., Oklahoma City—O. C. Parker erect 2 dwellings, 2800-05 W. 18th St.; total cost \$10,000.

S. C., Spartanburg—Sam J. Nichols, 688 E. Main St., erect \$10,000 residence, Plume St.; 11 rooms.

Tenn., Memphis—Harry Abraham, 709 S. Dudley St., plans \$10,000 residence, Carruthers Ave. and Hawthorne St.; 1-story.

Tenn., Memphis—White Realty Co., 190 N. Auburndale St., erect \$14,000 dwelling, garage and servants' quarters, 220 East Parkway; 8 rooms, brick veneer.

Tenn., Memphis—H. E. Buckingham, 75 Union Ave., erect brick veneer residence, Morningside Park; 2 stories and basement; Geo. W. Mahan, Archt., 700 American Bank Bldg.

Tenn., Memphis—Dr. C. H. Marshall, 901 Exchange Bldg., plans residence, Cox and Jefferson Sts.

Tenn., Memphis—E. M. Patterson, 1930 Mignon St., plans 4 dwellings, 1600 block Jackson Ave.; brick veneer, 1-story and basement, 6 rooms; composition roof, oak floors, tile baths, concrete porches, hot-water heating, garages; total cost \$24,000.

Tenn., Memphis—R. P. Patterson, 1900 Tutwiler St., plans 2 brick veneer dwellings, 1900 block Jackson Ave.; 1-story and basement, 6 rooms, composition roof, oak floors, tile baths, concrete porches, hot-water heat, garage; total cost \$12,000.

Tenn., Memphis—H. M. Hall erect 4 English type dwellings; sell for about \$15,000 each; Sieg & McDaniel, Archts., both Central Bank Bldg.

Tenn., Memphis—Mrs. L. H. Smith, 1543 Forrest St., plans brick veneer and stucco residence; 2 stories and basement, composition roof, oak floors, tile bath, steam heat, garage.

Tex., Austin—H. Wunderlich, 1608 Congress Ave., erect stucco residence; cost about \$10,000; 2 stories, concrete foundation, tile roof, hardwood floors, furnace heat; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Beaumont—A. L. Fastham erect \$10,000 brick veneer residence and frame garage, Pecon Blvd.

Tex., Corpus Christi—Harvey T. McQueen, Mercantile Bank Bldg., Dallas, reported erect 200 dwellings, Del Mar addition.

Tex., Corpus Christi—Naggiar & LaNoue, Dallas, erect 3 dwellings, Segrest addition; cost \$3000 to \$5000 each.

Tex., Dallas—Julius Yonack, 3608 Wendenken St., erect \$14,000 residence, 2601 South Boulevard; 9 rooms, brick veneer.

Tex., Dallas—N. M. Harper, American Exchange Bank Bldg., erect 7 brick veneer cottages, 1400 and 1500 blocks Hampton Rd.; 5 rooms; total cost \$28,000.

Tex., Fort Worth—Baldwin Realty Co., V. C. Baldwin, Pres.-Mgr., Moore Bldg., erect number brick dwellings, connection with development of 33 lots.

Tex., Houston—Ned A. Eppes, Pres., Gulf Concrete Pipe Co., 65th and Harrisburg Rd., laid foundation for residence, Institute Lane, Jandor Gardens.

Tex., Houston—J. E. Jaeger, 4417 Main St., erect \$12,500 duplex, Fannin St., O. Smith Addition; 12 rooms.

Tex., Houston—Temple Lumber Co., 3400 Polk St., plans dwellings in connection with development.

Tex., Houston—James Cravens, 3410 Garrett St., reported planning residence, Chevy Chase St., Sleepy Hollow Court.

Tex., Houston—W. P. Hobby, Pres., Houston-Post Dispatch, erect residence, Chevy Chase St. and Mockingbird lane, Sleepy Hollow Court.

Tex., Houston—F. G. Caldwell, Mgr., Western Electric Co., 105 Jackson St., plans Dutch Colonial residence, Meadowbrook subdivision.

Tex., Houston—Dr. Edw. F. Cook plans 7-room Spanish Mission type residence, Meadowbrook subdivision.

Tex., Houston—Detering Concrete Tile Co. plans number dwellings, Meadowbrook subdivision.

Tex., Houston—Dr. A. V. Goetz, Keystone Bldg., purchased homesite, Meadowbrook subdivision.

Tex., Houston—L. G. Liddle, Supt., Houston Fireworks Co., purchased homesite, Meadowbrook subdivision.

Tex., Houston—R. W. Mackie, 1205 Willard St., purchased homesite, Meadowbrook subdivision.

Tex., Houston—San Jacinto Trust Co., Humble Bldg., plans 50 Spanish Mission type dwellings Meadowbrook subdivision.

Tex., Houston—Mrs. M. Binns Stettegast, purchased homesite, Meadowbrook subdivision.

Tex., Houston—A. T. Vick, Mgr., A. T. Vick Electric Co., 1020 Capitol St., purchased homesite, Meadowbrook subdivision.

Tex., Houston—Mrs. Kate York purchased homesite, Meadowbrook subdivision.

Tex., Houston—Mrs. J. J. Davis erect \$10,000 residence and garage, 2420 Prospect St., Riverside Terrace addition; brick veneer; 6 rooms.

Tex., Mission—Lynch, Davidson & Co. erect 3 dwellings and lumber yard; total cost about \$10,000.

Tex., Mission—Hildago County Lumber Co. erect 3 dwellings; cost about \$3500 each.

Tex., Mission—John H. Shary erect 3 dwellings; cost about \$3500 each.

Tex., Mission—Dr. Jim Wigham erect \$10,000 residence.

Tex., San Antonio—H. H. Bryant, 939 Mulberry St., erect \$27,000 residence, Summit Ave.; 10 rooms.

Tex., Sherman—John Streun, Supt., Hardwicke-Etter Co., erect brick residence, N. Wood St.; 1 story, 7 rooms and bath, fireproof roof.

Va., Richmond—Geo. N. Bernier, 1211 W. Clay St., erect \$12,000 brick residence, 2814 DePont Circle.

Tex., Sherman—G. L. Wertz started work on residence, Mulberry and Carr Sts.; built-in features; Gus Boothe, Contr.

Va., Virginia Beach—Walter C. Maher, 1400 Colonial Ave., Norfolk, plans \$20,000 residence, The Hollies.

Government and State

Ala., Birmingham—Treasury Dept., care J. H. Bass, Postmaster, Government Bldg., erect \$30,000 tunnel under Fifth Ave., connecting Post Office with Federal Reserve Bank Bldg.; reinforced concrete, 7 ft. wide, 7.6 ft. high, electric elevators; Warren, Knight & Davis, Architects, 1603 Empire Bldg.

Md., Baltimore—Treasury Dept., Jas. A. Wetmore, Act. Supervising Archt., Washington, D. C., receives bids May 17 for storehouses, including mechanical equipment and incidental changes and repairs at U. S. Quarantine Station; drawings and specifications from Medical Officer in Charge at Station, or from Supervising Archt.

Tex., Palacios—Lieut.-Col. Claude A. Adams, U. S. Property and Disbursing Officer for Texas, Camp Mabry, Austin, receives bids May 8 for following for Texas National Guard Camp: 1 bakery, 30x42x9; 110 grease traps; 33 enlisted men's latrines, 10x20x9; 10 officers' latrines, 10x10x9; 1 division headquarters bath, 20x32x9; 10 officers' baths, 10x10x9; 1 supply house, 30x160x9; 52 enlisted men's kitchens and mess halls, 20x54x9; 1 division kitchen and mess hall, 30x54x9; 1 division administration bldg., 20x115x9; 3 regimental administration and supply bldgs., 20x54x9; 1 gun shed, 44x280x9; further information on application.*

Hospitals, Sanitariums, Etc.

Ala., Anniston—R. E. Garner Estate, care J. D. Garner, Executor, plans hospital; \$25,000 available.

Ky., Lexington—State Board of Charities and Corrections, Frankfort, having plans drawn by Frankel & Curtis for nurses' home at Eastern State Hospital, Dr. F. G. LaRue, Supt.; brick, 3 stories, about 50x110 ft., 33 rooms, bath for each pair of connecting rooms, running water in all rooms; cost \$40,000.*

La., Minden—Mindenn Sanitarium Co., Dr. S. F. Martin, Pres., erect 3-story sanitarium; 34x64 ft.; furnishings, equipment, etc., \$7000; open bids about May 1. See Machinery Wanted.

La., New Orleans—Soniat Mercy Hospital, Annunciation St., receiving bids at office Andry & Feitel, Carondelet Bldg., to be opened May 17 for 50-bed addition; cost about \$225,000; 2 stories and basement, reinforced concrete and steel, fireproof, pile foundation, hollow tile and brick walls, tile roof, 1 electric elevator, steam heat.*

La., Shreveport—Shreveport Charity Hospital, Dr. J. M. Mosely, Supt., opens bids May

7 for reinforced concrete hospital; 3 stories, 33x100 ft., concrete floors and foundation, built-up roof; furnishings, equipment, etc., \$12,000; Seymour Van Os, Archt., Merchants Bldg. See Machinery Wanted.*

Miss., Jackson—State selected N. W. Overstreet, Overstreet Bldg., as architect for \$2,500,000 Mississippi State Insane Hospital 8 miles from Jackson, C. D. Mitchell, M. D., Supt.; accommodate 1000 white and 1000 colored, comprising 2 distinct institutions around 1 power house; administration bldg., receiving bldg., hospital for acute cases, tuberculosis ward, epileptic wards, wards for disturbed and wards for quiet and chronic cases, assembly hall, nurses' home, kitchen and dining room, laundry, store room, baker shop, industrial shops, home for physicians and other employees; deep well and sewerage.*

Miss., Meridian—East Mississippi State Insane Hospital, Dr. M. J. L. Hoyle, Supt., having plans drawn by Stuart Burt, City Hall, for \$15,000 dairy and maternity barns; 62 stalls, concrete or cork floors, concrete bins and drinking stalls, medical section, silo, milk locker, feed room, etc.; brick, 1 story, 36x140 ft. and 32x90 ft.; bids in.*

Mo., Maryville—Nodaway County Board of Commissioners erect infirmary.

S. C., Greenville—Dr. Geo. T. Tyler will rebuild Tyler's Hospital, E. North St., damaged by fire; temporary address, 604 E. North St.

Tex., Austin—State Board of Control, Dr. H. H. Harrington, Chmn., take bids in July for hospital building at State Colony for Feeble-Minded; cost \$35,000, fireproof, concrete foundation, brick walls, built-up roof, concrete terrazzo and tile floors, heating from central heating plant; H. F. Kuehne, Archt., 824 Littlefield Bldg. (See Buildings Proposed Schools.)

Tex., Childress—Childress County votes in May on \$175,000 hospital bonds. Address County Comr.

Tex., Lubbock—Dr. V. V. Clark plans addition to Ellwood Hospital to replace structure noted burned at \$10,000 loss; fireproof.

Tex., Tyler—Smith County votes May 11 (lately noted to vote May 29) on \$125,000 hospital bonds. Address Commissioners Court.

Hotels and Apartments

Ark., Rogers—E. F. Jackson, J. W. Walker and others promoting erection of 60-room hotel building; John England, Hotel Marlon, will manage; Frank Gibbs, Archt., both Little Rock.*

Fla., Apopka—Citizens subscribed \$127,000 for erection of hotel building; campaign conducted by Hockenbury System, Inc., Harrisburg, Pa.; William Edwards, Chmn. Hotel Committee.*

Fla., Hollywood—J. W. Robinson and Frank Rouss erect \$18,000, 2-story, 8-family apartment house, Eighth Ave. and Madison St.

Fla., Lake City—Lake City-Columbia County Chamber of Commerce, Julian B. McCurry, Sec., would like to hear from parties interested in erection of hotel.

Fla., Lakeland—I. W. Boring start work during summer on \$50,000 3-story store and apartment building, 727 S. Florida Ave.

Fla., Miami—Lingler & Beshgetoorian, Archts., Calumet Bldg., preparing plans for \$15,000, 2-story, 3-family apartment house at 130 N. W. 69th St. for John N. Pfeiffer; concrete block and stucco, 3-car garage at rear.

Fla., Miami—S. Martin Ives, Archt., 579 S. W. Fourth St., prepared plans and specifications for apartment house, S. W. 25th St. and 23d Ave., New Shenandoah, to be erected this summer by B. S. Blackwell and R. P. Barrington.

Fla., Palatka—Palatka Hotel & Industrial Co., J. E. Bennett, Pres., and R. E. Caldwell, Sec., selected Fred A. Bishop, Archt., 903-4-5 Electric Bldg., Richmond, Va., prepare plans for \$600,000, 11-story, 150-room hotel; limestone base, brick shaft, terra cotta trimmings, 2 high-speed elevators, every room with bath.*

Fla., Palm Beach—Jennette Gais has plans in progress by Mortimer Dickerson Metcalfe, New York, and P. O. Box 911, Palm Beach, start work immediately on \$1,500,000, Spanish Renaissance type, 65-apartment building on North Ocean Blvd., to be known as Jennette Towers; contain 24 two-room-and-bath, 20 three-room-and-bath, 12 five-room-and-bath, 5 duplex studio apartments, and 4 roof-garden apartments; 2 electric elevators.

Fla., Palmetto—Palmetto Community Hotel Co. considering preliminary plans by Felch & Southwell, 310 S. Delaware Ave., Tampa, for \$225,000, 6 story, reinforced concrete,

Italian renaissance type, 76-bedroom community hotel building; to be leased by Griner Hotels, Inc., Charles B. Griner, Pres., Blum Bldg., Jacksonville.*

Fla., Perry—Perry Hotel Co. opens bids about May 20 for erection of 3-story, steel frame, ordinary construction, 121x90-ft., 65-room hotel, to be known as Dixie-Taylor Hotel and operated by Griner Hotels, Inc., Charles B. Griner, Pres., Blum Bldg., Jacksonville; reinforced concrete foundation, tar and gravel roof, hollow tile, metal ceilings, metal doors, steel sash and trim, wire glass, vaults, marble, cast stone, flooring of tile, terrazzo and hardwood; Frank Winn, Archt., Citizens Bank Bldg., Tampa.*

Fla., Sarasota—Greater Florida Finance & Building Corp. erect hotels, apartment houses, etc.; F. H. Trimble, Archt., Orlando. (See Buildings Proposed—Dwellings.)

Fla., Sarasota—J. F. Scott, 358 Fifth Ave., New York, reported heading group of financiers interested in erection of \$3,000,000 hotel, Main St. and Palm Ave.

Fla., Tampa—Isaac Hanan, 421 W. Park Ave., owner and developer of Hanan Estates, obtained permits for four \$30,000, 2 story, 50x92 ft., frame, stucco and composition apartment houses, North B. St.; B. Robert Swartburg, Archt., Natl. City Bank Bldg.

Fla., Winter Park—P. C. Samwell, Henkle Bldg., promoting erection of \$250,000 cooperative apartment building in Aloma; 36 apartments of 1, 2 and 3 rooms, kitchenette and bath.

Ga., Atlanta—Ellison & James will erect \$45,000, 2 story, brick veneer apartment building, 20 Somerset Terrace.

Ga., Fitzgerald—Mayor J. H. Mayes and J. L. McCarty purchased property, reported planning to erect hotel building.

Ga., Griffin—Chamber of Commerce considering proposition by Hockenbury System, Inc., Harrisburg, Pa., for financing erection of hotel.

Ga., Valdosta—Twin Lakes Development Corp. announced work to start in May on 2 story, Spanish type resort hotel.

Ky., Lexington—F. P. Drake, Short St. West, has plans by John V. Moore, Archt., 344 McCleland Bldg., for remodeling and renovating 4-story Reed Hotel property.*

La., New Orleans—J. O. Jones, Balter Bldg., contemplates erecting apartment building, St. Charles Ave. and General Pershing St.

La., Shreveport—Jacob Dillinger, 613 Common St., have completed plans about May 15 by E. A. George, 1146 Kings Highway, for \$85,000, 3-story, brick, reinforced concrete, fireproof hotel building.

Miss., Biloxi—W. N. Cleason, Chicago, Ill., erect 100-apartment building, Father Ryan Ave. and First St., to be known as de Amour Court.

Miss., Gulfport—Ed. Milgrim, Leo E. Deutsch and associates of Gary, Ind., reported planning to erect \$650,000, 6-story hotel, 26th Ave. and 14th St.

Mo., Kansas City—Fisher Building Co., Harry E. Fisher, Pres., 618 Commerce Bldg., purchased property at S. W. cor. Oak St. and Brush Creek Blvd.; has plans in progress by Charles A. Smith, 800 Finance Bldg., for 8-story apartment hotel; exterior walls of brick trimmed with composition stone; provide 62 apartments, lobby, etc.

Mo., Kansas City—J. North Mehornay, 618 Huntingdon Road, excavating at S. E. cor. 11th St. and Pennsylvania Ave. for two 40x126-ft., 2-story and basement, English design, brick apartment buildings; total of 64 kitchenette apartments, slate roofs; Mrs. Nellie E. Peters, Archt., 1000 Orear-Leslie Bldg.

Mo., Kansas City—W. H. Vance, 1310 E. 14th St., erect hotel in Waldo district to be known as Westhaven.

Mo., Kansas City—George L. Williams erect \$200,000 kitchenette and bachelor room apartment building, Tenth St. and Pennsylvania Ave.

Mo., St. Louis—Joyner Realty Co. planning to erect \$500,000, 8-story, fireproof, 100-apartment unit building; location not disclosed.

Mo., St. Louis—Missouri Realty & Construction Co., 6115 Page St., plans to erect \$550,000, 7-story, fireproof kitchenette apartment building at 3658 W. Pine Blvd.; contain 108 apartments, about 60x180 ft.

N. C., Canton—J. H. Kirkpatrick, J. T. Bailey and O. M. Hampton interested in erection of \$100,000, fireproof hotel building.

S. C., Greenville—Jules, Flora and Henry Heymann and Sam Baron formed Imperial Hotel Co., leased 250-room Imperial Hotel

on W. Washington St. and plans extensive improvements.

Tenn., Knoxville—Dooley-Gillespie Co., Headrick Bldg., promoters, receive bids until May 22 for erection of \$1,100,000, 17-story, 150x300-ft., 300-room Tennessee Terrace Hotel, Gay St. and Hill Ave.; A. B. Baumann & Son, Archts., 813½ Market St.*

Tex., Corpus Christi—J. E. Garrett, 716 Furman Ave., promoting organization of company for erection of \$400,000 to \$500,000 hotel and office building.

Tex., Dallas—I. L. Rawdon, Pres. of University Park Real Estate Co., 6316½ Hillcrest St., announced plans for \$100,000, 4-story apartment house, Hillcrest Ave. and Asbury St., University Park, designed to serve faculty members and students of Southern Methodist University; 3 floors for efficiency apartments, other floor for single rooms with private baths.

Tex., Edinburg—C. D. Robb has plans in progress by Page Brothers, Austin Natl. Bank Bldg., Austin, for \$100,000, 4-story, fireproof, 75-room hotel building; reinforced concrete frame, brick and hollow tile walls, built-up roof.*

Tex., Fort Worth—Jessee H. Jones and Associates. (See Buildings Proposed—Theaters.)

Tex., Fort Worth—C. S. Tinlin erect two \$17,000, brick veneer apartment houses, 3317 and 3321 Avenue G.

Tex., Houston—J. H. Edmonds, Caroline and Cleburne Sts., erect two \$10,000, brick veneer apartment houses on Montrose, Turner addition, and on Bark Dull, Turner addition.

Tex., Houston—John A. Embrey of Embrey & Gillette, Scanlon Bldg., realtors, announced negotiations under way for construction of \$250,000 bayshore hotel at Shoreacres.

Tex., Houston—S. C. Lipscomb erect \$12,500, brick veneer, 4-apartment house with garage, 208 Pierce St.

Tex., Houston—T. F. McMahon erect \$18,000, brick veneer, 4-apartment house and garage, 2302 Clark St.

Tex., Houston—Better Building Co. erect brick veneer and stucco 12-apartment houses and 2 frame garages, 511-15-19 Calhoun and 1905-7-9 Brazos Sts.; \$100,000.

Tex., Houston—Boyer Builders erect \$14,500 brick veneer 4-apartment house and garage, 1335 W. Gray St.

Tex., Houston—D. O. Miller, 1312 Peden St., has plans by Charles P. Jones & Co., Binz Bldg., for 2-story, brick veneer, 8-apartment house, Jack and Oakley Sts.

Tex., Houston—W. E. Fruitt erect \$12,000 brick veneer apartment building with garage, 1532 Marshall St.

Tex., Houston—F. S. Price, 1433 Hall Place, erect \$25,000, brick veneer, 8-apartment house with garage, 1522-6 California St.

Tex., Houston—B. D. Williams erect two brick veneer, 4-apartment houses on West Bell, Rosemont addition; \$13,000 each.

Tex., Mission—Roy P. Conway soon let contract for 10-room apartment house; also contemplates erecting residence.

Tex., San Antonio—Carvel & Co., Frost National Bank Bldg., has permit for \$15,000 apartment house on N. Alamo St.

Tex., San Antonio—T. B. Baker, Pres., Baker Hotel Co., Gunter Hotel, soon have plans by Herbert Green, Alamo Bank Bldg., for 3 additional stories to Gunter Hotel, St. Mary's at Houston Sts. and remodeling of lobby, mezzanine floors, etc.; cost \$1,000,000, equipment, furnishings, etc., \$500,000; reinforced concrete, steel and brick veneer, 200x250 ft., concrete floors, composition roof; Otis Elevator Co., 5035 S. Halsted St., Chicago, Ill., has contract for elevators, costing \$60,000.*

Miscellaneous

Ark., Blytheville—Women's Club of Blytheville, W. H. Baker, Pres., purchased corner Main and 15th Sts. for club building; U. S. Branson, preparing plans for remodeling present building.

Fla., Bunnell—Palmetto Club plans to erect building on Lake Terrace.

Fla., Tampa—Tampa Athletic Club, W. F. Stovall, Chmn. of Building Committee, authorized B. C. Bonfoey, Petteway Bldg., Tampa, and Dwight James Baum, Spuyten Duyvil, Parkway and Waldo Ave., New York, proceed with plans and specifications for 10-story building, Lafayette and Parker Sts.*

Fla., Dalton—Lesche Woman's Club and United Daughters of the Confederacy perfect-

ed plans to begin work immediately on \$10,000 to \$15,000 clubhouse, Crawford and Cleveland Sts.

Louisiana—Morgan G. Trahant, 2725 Leonidas St., New Orleans, finishing plans for chapel, school and priest home, to be built in Jefferson Heights, Jefferson Parish. (See Machinery Wanted—Tile; Steel Sash and Trim; Wire Glass; Incinerators; Electric Refrigerators; Flooring; Ventilators; Marble; Cast Stone; Terra Cotta Trim.)

Mo., Kansas City—Edgar W. Harris, 3611 E. 58th St., erect building at S. W. cor. 68th St. Terrace and Olive St.

N. C., Asheville—Mount Mitchell Association of Arts and Sciences, Dr. Thomas Dixon, Pres., 61 Haywood St., establish summer assembly ground of liberal arts at Wildacres; start work at once on Wildacres Hotel on Pompey's Key; also auditorium seating 3000 persons, casino, etc. (See Land Development.)

N. C., Linville—Linville River Estates, J. P. Brown, Pres., 308 Flat Iron Bldg., Asheville, N. C., considering erecting clubhouse in connection with development.

Tenn., Chattanooga—Mrs. James A. Burrow, 1901 Chamberlain Ave., Chmn. of committee sponsoring erection of club house for Tennessee penwomen at Fairland on Lookout Mountain; W. H. Sears, Archt., James Bldg.

Tenn., Memphis—Porter Home and Leath Orphanage, Miss Georgia Robinson, Supt., receive between \$40,000 and \$50,000 donation from Edwin Gould Foundation for Children, New York, for erection of cottage for girls on orphanage grounds, 850 N. Manassas St.

Tex., Amarillo—Amarillo Athletic Club plans construction of \$30,000, brick and concrete club building.

Tex., Austin—State Board of Control, Dr. H. H. Harrington, Chmn., take bids in July for \$50,000, 1 and 2-story, fireproof Industrial and Manual Training Building at State Colony for Feeble Minded; also \$50,000, 2-story, fireproof dormitory building and \$35,000, 2-story hospital building; reinforced concrete, hollow tile and brick, concrete foundations, built-up roof, concrete, terrazzo and tile floors; H. F. Kuehne, Archt., 824 Littlefield Bldg.

Tex., Dalhart—John Wallace establishing camp grounds on Colorado-Gulf Highway; erecting 6-room, brick building for residence of manager, store and filling station; will erect 15 cottages of concrete with stucco exterior; also bathhouse.

Tex., Greenville—I. M. Stringer of Stringer & Sons contemplate erecting brick veneer funeral chapel.

Tex., Houston—Houston Launch Club, Harrisburg Rd., plans to erect \$100,000 clubhouse, with piers and breakwater at Shore-acres.

Tex., San Antonio—Presbyterian Church, U. S. A., has sketches by Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, for 46x60 ft., 2 story Mission Church and Home; wall bearing, wood floors, concrete foundation, built-up roof.*

Railway Stations, Sheds, Etc.

Fla., Miami—Seaboard Air Line R. R. Co., Charles R. Capps, Vice-Pres., Norfolk, Va., reported plans construction of passenger station at Opa-Locka near Miami.

Miss., Natchez—Yazoo & Mississippi Valley Railway, E. L. McLaurin, Div. Supt., McComb, reported considering erection of new station; started work on umbrella passenger shed.

Schools

Ark., Blytheville—C. M. Hurst, Little Rock, state supervisor of buildings and plans, approved plans by W. X. Branson for \$85,000, 12-room and auditorium school building.

Ark., Fayetteville—University of Arkansas, Dr. J. C. Futrell, Pres., receives bids until May 12 for erection of Agricultural and Engineering Buildings; separate bids on plumbing, heating and electric wiring; reinforced concrete, brick, stone and terra cotta, both cost \$650,000; vault doors, metal lath, ornamental plaster, marble, composition roof, concrete, tile and terrazzo floors, metal sash; following firms bidding on general contract: J. H. Levee & Son, Reigler Bldg.; Stewart-McGehee Construction Co., Kahn Bldg.; Merman-McCain, Reigler Bldg.; Burden Construction Co., Gay Bldg.; E. W. Jenkins, 215 Second Ave., all Little Rock; J. D. Brock, Arkadelphia; Bailey Burns Construction Co., Norman, Okla.; R. D. Alexander, Springfield, Mo.; Rambo & Co., J. H. Reddick, both Kennedy Bldg., Fort

Smith; Estes-Williams Construction Co., Derman Bldg.; Kaucher-Hodges, Shrine Bldg., both Memphis, Tenn.; J. H. Van Horn, Tulsa, Okla.; King Lumber Co., Charlottesville, Va.; Murch Bros. Construction Co., Railway Exchange Bldg.; John Hill, Syndicate Trust Bldg.; Dickie Construction Co., Syndicate Trust Bldg.; John L. Clark Construction Co., Arcade Bldg.; William McDonald Construction Co., Syndicate Trust Bldg.; Gamble Construction Co., 620 Chestnut St., all St. Louis, Mo.; M. E. Gillioz, Monett State Bank Bldg., Monett, Mo.; Charles Weitz Sons Co., Des Moines, Iowa; Simes Construction Co., Columbia, Mo.; J. J. Wuelauer & Sons, Oak and Front Sts., Alton, Ill.; Holmboe Construction Co., 426 W. Second St., Oklahoma City; Wages Bros. Construction Co., Fayetteville; E. G. Holliday Co., 151 Fourth Ave., N., Nashville, Tenn.; Jamieson & Spear, 1116 Arcade Bldg., St. Louis, and H. Ray Burks, 307 Home Life Bldg., Little Rock, Asso. Archts.*

Ark., Hope—School Board reported to erect \$30,000 school building on Avenue B.

Ark., Ozark—R. L. Austin, Supt. of Schools, has plans in progress by Haralson & Nelson, Merchants Bank Bldg., Fort Smith, for \$60,000 high school building.*

Fla., Alachua—Board of Trustees Alachua School District called \$50,000 bond election for new school.

Fla., Homestead—S. J. Davis, Chmn. of Board of Trustees of District No. 7, announced school construction program totaling \$130,000; include \$80,000 for 2-story, 16-room addition to Redland Farm Life School; also \$20,000 teachers' building; install new water system, repaint and remodel present buildings; erect \$15,000 negro school at Goulds.

Fla., St. Augustine—St. Johns County Board of Public Instruction, Robert B. Meserve, Supt.-Sec., advises Special Tax School District No. 1 proposes to float \$250,000 bond election June 1 for purchasing additional equipment, additional buildings, new \$65,000 grammar school.*

Fla., Tampa—Hillsborough County Board of Public Instruction has permits for repairs to schools on India St. and Ross Ave., cost \$28,287 and \$31,653.

Fla., Tampa—Sacred Heart College, Franklin St., contemplates erecting new building, Davis Islands.

Ga., Athens—Board of Trustees of War Memorial Fund of University of Georgia, Prof. H. M. Heckman, Sec.-Treas., plans to start work in Sept. on building to house Henry W. Grady School of Journalism and School of Commerce; Hentz, Reed & Adler, Archts., Candler Bldg., Atlanta.

Ga., Atlanta—Nacochee Institute Board of Trustees, Dr. J. R. McCain, Chmn., plans campaign for funds to rebuild units recently destroyed by fire.

Ga., Columbus—Supt. R. B. Daniel receiving bids until May 20 for equipment for departments of new High School building; include opera chairs for auditorium, desk chairs for classrooms, laboratory apparatus, cafeteria equipment, etc.

Ga., Dorchester—Dorchester, Sunbury, Midway, Riceboro, Colonel's Island and St. Catherine's Island consolidated and voted \$15,000 for erection of school building; Address Liberty County Board of Education, Hinesville.

Ga., Folkston—Folkston Consolidated School District voted \$50,000 bonds for enlarging school plant; Address Board of Trustees.*

Ga., Rome—Berry Schools, G. Leland Green, principal, plans to rebuild dormitory recently burned.*

Ky., Glasgow—Barren County Board of Education let contract to Richard Scott, Temple Hill, for erection of schoolhouses at Holy Hill, Spring Rock and Murray districts.

Ky., Jackson—Lees Collegiate Institute, Neal A. Bodinger, principal, will erect \$50,000 dormitory with funds raised by citizens.*

Ky., Lexington—Board of Education, R. D. Norwood, Pres., soon select Archt. for proposed \$300,000 Senior High school building; also expend \$100,000 for additions.

La., Doyline—Webster Parish Board of Education, E. S. Richardson, Supt., Minden, will erect 2-story brick school building.

La., Gretna—Jefferson Parish School Board, J. C. Ellis, Sec., receives bids until May 25 for erection of 9 elementary school buildings as follows: Two-story, 6-room, brick building in Ward 4; plans and specifications may be obtained from Jones, Roessle & Olschner, Archts., Maison Blanche Bldg., New Orleans; 1-story, 4-room, hollow tile or brick alternate in Ward 7 and 2-story, 6-room building in Ward 8; plans and specifications from Theo-

dore L. Perrier, Archt., 310 Carondelet St., N. O.; 2-story, brick, 8-room building, Ward 9 and 2 frame, 1-room buildings in Ward 6; William R. Burk, Archt., Balter Bldg., N. O.; two 1-story, frame, 2-room buildings in Ward 5 and 1-story, frame, 7-room building in Ward 3; plans and specifications may be obtained at office School Board, Courthouse Bldg.*

La., Mansfield—De Soto Parish School Board receive bids about May 15 for \$100,000, brick and reinforced concrete school building; Edward F. Neild, Archt., 1206 City Bank Bldg., Shreveport.

La., New Orleans—Orleans Parish School Board has completed plans by E. A. Cristy, City Hall Annex, for 3-story, reinforced concrete, brick, stone trim, fireproof, 28-classroom and kindergarten Allen School building, Nashville Ave. and Franklin St.

Miss., Columbus—Mississippi State College for Women, J. C. Fant, Pres., authorized P. J. Krouse, Archt., Meridian, prepare plans for new buildings to cost \$600,000; include dormitory, dining hall, chapel, physical education building and laundry.*

Miss., Oskyka—Town of Oskyka, care R. S. Funcness, open bids about May 20 for erection of 2-story, brick, 50x34-ft. addition to school; metal shingle roof; Howard Ryan, Archt., Summit. (See Machinery Wanted—Tile.)*

Miss., Vicksburg—All Saints' College Board of Trustees accepted plans for erection of \$50,000 dormitory; R. P. Jones, Park Addition, and P. M. Polk, College Addition, members Building Committee.*

Mo., Buffalo—School Board will call \$15,000 school bond election.

Mo., Charity—Town has \$2000 available, will vote on \$8000 bonds for erecting new school; Address School Board.

Mo., Farber—School Board call \$35,000 school bond election.

Mo., Gideon—G. A. Lam receives bids until May 8 for erecting 2 room, brick school building in School District No. 5, Peach Orchard, Pemiscot County.

Mo., Kidder—School Board plans \$20,000 issue for new school building.

Mo., Malta Bend—Board of Education, M. H. Van Anglen, Pres., has plans in progress by Owen, Saylor & Payson, Kansas City, for erection of school building; bonds recently voted.*

Mo., Normandy—Normandy consolidated school district recently approved \$122,000 bond issue for new school buildings. Address Board of Education.

Mo., Union—School Board will call \$40,000 school bond election.

N. C., Asheville—Buncombe County Board of Education plans to erect school building in Barnardsville section.

N. C., Canton—A. J. Hutchins, Supt. of Schools, call \$250,000 bond election in May for new school buildings.

N. C., Burgaw—School Board has plans in progress by L. N. Boney, Murchison Bank Bldg., Wilmington, for \$100,000 High School building.

N. C., Louisburg—Executive Committee of Louisburg College Board of Trustees, care W. E. White, opens bids May 6 (extended date) for erection of Franklin County Building; Atwood & Nash, Archts., Chapel Hill.*

N. C., Warrenton—Warren County Board of Education, J. Edward Allen, Supt., receives bids until May 17 for erection of brick, steel and concrete, 12-classroom and auditorium addition to graded school building at Littleton; overhaul present heating system; M. S. Davis, Archt., Louisburg.

N. C., Weaverville—Weaver College Board of Trustees, H. A. Dunham, Chmn., 99 Merrimon Ave., Asheville, contemplates \$555,000 expansion program, including construction of 8 new buildings and additions to 2 existing structures; plan financial drive to raise necessary funds; have \$50,000 gift from Benjamin N. Duke; James J. Baldwin, Archt., 205 Taylor Bldg., Asheville.

N. C., Wilmington—Board of Education, Maj. W. A. Graham, Supt. of Schools, purchased property in Forrest Hills; will let contract about May 10 for erection of \$30,000 consolidated school for Oleander, Country Club Pines, Forest Hills, East Wilmington, Kirkland and Middle Sound districts.

N. C., Wilson—Atlantic Christian College Board of Trustees plans to raise \$100,000 by Nov. 15, 1927, for rebuilding college on present site.

Okla., Durant—City voted bonds for erecting \$100,000 school in Central Ward and additions to high school and 2 ward schools. Address Board of Education.

Okla., Miami—Northeastern Oklahoma

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Junior College. M. A. Nash, Oklahoma City, Chmn., planning to erect \$15,000 girls' dormitory by subscription: will ask Legislature for \$100,000 appropriation for erection of combination gymnasium, hall and 8-classroom building.

S. C., Cross Hill.—Town voted \$35,000 bonds for new school building; 2 stories, brick, concrete foundation; F. H. & J. G. Cunningham, Archts., Greenville; address School Board.

S. C., Landrum.—Town voted bonds for erecting \$25,000 high school building on Earle St. Address School Board.

Tenn., Alcoa.—Prof. V. F. Goddard, Supt. of City Schools, soon start work on 1-story brick, steel and concrete, 1-classroom and auditorium school building; \$70,000 bonds sold.

Tenn., Chattanooga.—Hamilton County Board of Education, J. E. Walker, Supt., plans to erect 4-room brick consolidated school, in place of Union and Savannah schools.

Tenn., Chattanooga.—Hamilton County Board of Education contemplates \$350,000 bond election.

Tenn., Knoxville.—H. P. Shepherd, Supt. of Public Schools, has plans in progress for following schools: Two Junior High Schools, \$661,000; elementary school, \$132,500; four additions to present buildings, \$353,300; Wm. B. Ittner, Inc., Supv. Archt., Board of Education Bldg., St. Louis, Mo.: local Archts. are: Barber & McMurry, Tennessee General Bldg.; R. F. Graf & Sons, Journal Bldg.; A. B. Baumann & Son, 813½ Market St.; probably call for bids on half of work in 30 days.*

Tenn., Madisonville.—Building Committee of Monroe County Board of Education opens bids May 20 for erection of 1-teacher school building in Old 17th District; plans at office of H. L. Callahan, Supt. of Public Instruction.

Tenn., Memphis.—Board of Education, G. W. Garner, Sec., receive bids until May 10 for erection of 15-room addition to Humes High School; Pfell & Awsumb, Archts., Fidelity Bank Bldg.

Tenn., Trenton.—Gibson County Commissioners call election June 5 on \$125,000 school bonds.

Tex., Bastrop.—Rev. Paul C. Bell plans to expend \$150,000 within next three years for buildings at Mexican Bible Institute.

Tex., Eastland.—Board of Education selected David S. Castle Co., 701-4 Alexander Bldg., Abilene, Archts., for fireproof high school building; \$150,000 bonds recently voted.*

Tex., Elgin.—Elgin School District voted \$90,000 bonds; also \$4000 for school for negroes; C. H. Page & Bro., Archts., Austin Natl. Bank Bldg., Austin.*

Tex., Estelline.—Board of Education receiving bids for erection of addition and remodeling: \$40,000, brick and stone; Voelcker & Dixon, Archts., Kahn Bldg., Wichita Falls.*

Tex., Houston.—Board of Education, H. L. Mills, Bus. Mgr., approved plans by Harry D. Payne, receive bids about May 15 for Harper, Sunset Heights and Woodland Schools.

Tex., Katy.—Board of Education receives bids until May 12 for 2 story, 122x45 ft. brick and stone addition and remodeling: \$38,000; C. H. Leinbach, Archt., 605 Central Park Bldg., Dallas.*

Tex., McAllen.—School Board, McAllen Independent School Dist., plans \$355,000 bond election for school improvements; Ralph H. Cameron, Archt., City Natl. Bank Bldg., San Antonio.*

Tex., Olney.—Board of Education soon call \$50,000 bond election, \$75,000 now available; erect 2 story, fireproof, brick, stone and reinforced concrete school building; Voelcker & Dixon, Archts., Kahn Bldg., Wichita Falls.*

Tex., Pharr-San Juan.—Pharr-San Juan School District voted \$80,000 bonds for addition of 12 classrooms and auditorium to seat 800; Page Brothers, Archts., Austin Natl. Bank Bldg., Austin.*

Tex., Rising Star.—Town voted \$25,000 bonds for new high school building; address School Board.

Tex., San Antonio.—Board of Education receive bids about May 25 for 1-story High School building, 14 classrooms and auditorium to seat 1000; grade school and remodeling present High School into Junior High School building; \$140,000; Harvey P. Smith, Archt., Natl. Bank of Commerce Bldg.

Tex., San Juan.—San Juan school district voted \$80,000 bonds for new school building. Address Board of Education.*

Tex., Tahoka.—Board of Education, E. I.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Hill, Pres., has final plans in progress by David S. Castle Co., Alexander Bldg., Abilene, for 3-story and basement, brick and reinforced concrete school building; \$100,000 bonds voted.*

Tex., Winters.—Board of Education, Frank Paxton, Pres., receives bids until May 10 for \$110,000, 128x57 ft., 3-story and part basement, brick, stone and reinforced concrete High School building; David S. Castle Co., Archts., 701-4 Alexander Bldg., Abilene.*

Virginia.—State Board of Education, Richmond, made following allocations for dormitory construction: State Teachers' Colleges at Farmville, \$100,000; Fredericksburg, \$60,000; Harrisonburg, \$75,000, and Radford, \$150,000; College of William and Mary, \$250,000; Virginia Polytechnic Institute, \$250,000; Virginia Military Institute, \$20,000; Virginia Normal & Industrial Institute, Petersburg, \$75,000.

Va., Ashland.—Randolph-Macon College, Dr. Robert E. Blackwell, Pres., announced pledges have been secured for \$355,000 in college drive for \$400,000, will receive \$600,000 from General Education Board, New York, when entire amount is raised.

Va., Danville.—School Board has completed plans by Charles M. Robinson, Times-Dispatch Bldg., Richmond; soon receive bids for North Danville school building.

Va., Eastville.—John T. Wilkins, III, Chmn. Northampton County Board of Education, opens bids May 10 for erection of \$50,000 High School building.

Va., Shenandoah.—Shenandoah County Board of Education plans \$200,000 bond election for erection of high schools in Woodstock, Edinburg, Toms Brook, Strasburg and New Market.

Stores

Ala., Tuscaloosa.—City Realty Co., care J. C. Austin, erect \$15,000 2-story brick building on Broad St.

Ark., Marked Tree.—L. V. Ritter, Pres. E. Ritter & Co., announced plans for rebuilding block recently burned.

Ark., Texarkana.—Louis Heilbron razing buildings, Pine and Broad Sts.; erect 50x137 ft. brick store building.

Fla., Jacksonville.—M. Schumann has permit for \$25,000, 1-story, brick building, 13th St. near Myrtle, for W. J. Bryson, 239 W. Adams St.

Fla., Miami.—C. D. Craick erect \$12,000, 5-story building, N. W. 36th St. and 15th Ave.; S. Martin Ives, Archt., 579 S. W. Fourth St.

Fla., Miami.—M. E. Rondel, 14 S. E. Second Ave., agent for property at N. E. cor. W. Flagler St. and 12th Ave., announced plans for erection of 2-story, \$100,000, 16-story and 20-office building for L. E. Hill, Chicago, Ill.; Martin L. Hampton, Archt., Royal Hotel Casino.

Fla., Miami.—F. L. Haines of Tatum Bros. Co., 200 E. Flagler St., purchased business property on W. Flagler St. and Mr. Haines and B. B. Tatum purchased property on S. W. First St.; plan improvements to both sites.

Fla., Miami.—H. F. Whaler erect \$15,000, 2-story store and apartment building, 14½ N. W. Third St.; W. C. DeGarmo, Archt., 39 S. E. Sixth St.

Fla., Palmetto.—William H. Coleman, Indianapolis, Ind., purchased corner Lemon Ave. and Myrtle St., reported planning to erect business building.

Fla., Sarasota.—Greater Florida Finance & Building Corp. erect business blocks, etc.; F. H. Trimble, Archt., Orlando. (See Buildings Proposed—Dwellings.)

Fla., Sebring.—S. Martin Ives, Archt., 579 S. W. Fourth St., Miami, preparing plans for arcade building for Tobin & Tobin.

Fla., St. Petersburg.—Boyer & Hayward, clothiers, 609 Central Ave., planning to remodel building.

Fla., St. Petersburg.—J. R. Rutland will erect 1-story, \$12,000 store building on Central Ave.

Ky., Louisville.—Theodore Sieger, Buechel, Ky., erect \$10,000 brick store and apartment building, 533 S. Tenth St.

La., New Orleans.—R. J. Alba Co., Inc., 523 Lafayette St., plans to remodel and install new front at 2014-16 Magazine St.; Archt. or Contr. not yet selected.

La., New Orleans.—W. W. Van Meter, Archt., 401 Balter Bldg., complete plans in about 30 days for \$100,000, 130x160-ft., 2-story, reinforced concrete, fireproof office and seed distributing building, N. Carrollton Ave.

for Reuter Seed Co., Inc. 1033 Decatur St.; pile foundation, composition roof, concrete floors, tile lobbies, steel sash, plate glass windows, elevators, incinerator.

La., Shreveport.—Edward F. Neild, Archt., 1206 City Bank Bldg., complete plans soon for \$55,000, 2-story, 30x150 ft., reinforced concrete, stone and marble trim store building for Zodiac's; structural steel frame, steam heating.

La., Shreveport.—O. K. Houck Piano Co., J. F. Houck, Pres., 103 S. Main St., Memphis, Tenn., leased 3-story building at 622 Texas St.; will remodel and redecorate.

Md., Baltimore.—Joseph Rubenstein, 1001 Warner St., acquired 3-story store property, S. E. cor. Pennsylvania Ave. and Preston St., plans improvements.

Md., Ellicott City.—James S. Pennington, Fidelity Bldg., Baltimore, purchased Gowen Hotel; reported to erect 5 or 6 stores on site.

Miss., McComb.—Joe Serio has plans by Howard Ryan for second-story addition to brick building, Canal and S. Front Sts.

Miss., Biloxi.—Mrs. Rucks Yerger, Jr., reported to erect 2-story, brick building on Howard Ave., to be occupied by branch of Gulfport Furniture Co.

Miss., Tupelo.—Morrison-Rhinehart Grocery Co., Corinth, acquired corner Troy and Front Sts., for wholesale building; will install cold-storage plant.

Mo., Kansas City.—Roy B. Garvey purchased 1-story, brick garage at 3330 Main St.; plans to convert into 6 shops, also second-story for offices.

Mo., Kansas City.—Mose H. Cohen, Des Moines, Iowa, leased property on Linwood Blvd. between Troost and Forest Aves.; plans development to include \$60,000, 2-story, 70x80 ft. store and office building at 3133-7 Troost Ave.

Mo., Kansas City.—H. M. Ellis erect \$15,000, brick building, 601 W. Meyer Blvd.

Mo., Kansas City.—C. E. McLaughlin, 317 Lee Bldg., erect \$50,000 store and apartments, 1061-9 Central Ave.

Mo., Springfield.—Ben Moskovitz will erect new business building.

Mo., Springfield.—W. A. Fallin, 453 S. Main St., started excavating for 2-story, brick and concrete, 175x150 ft. building, Olive St.

N. C., Charlotte.—Home Real Estate & Guaranty Co., J. Arthur Henderson, Pres., 219 N. Tryon St., purchased property, Sixth and N. Tryon Sts.; erect store buildings.

N. C., Durham.—John Sprunt Hill, Trust Bldg., probably let contract next week for 4-story and basement department store building; Atwood & Nash, Inc., Archts., Trust Bldg., Durham and Chapel Hill.

N. C., Winston-Salem.—Home Real Estate, Loan & Insurance Co., 511 Liberty St., has plans by L. J. Burge and F. Damoth of Architectural House Planning Service Co. for 2-story, 40x144-ft., brick and stone store and apartment building on Oak St.

Tenn., Johnson City.—W. F. Carter, W. J. Carter and Lee B. Harr have plans by D. R. Reason for 2-story, brick, 82x100-ft. stores; wood floors, concrete foundations.*

Tenn., Lenoir City.—J. Arthur Jackson reported to erect business building, Depot St. and Broadway.

Tenn., Loudon.—C. P. Taliroffers has plans by F. S. Robinson for 26½x48 ft., brick store building; concrete floors and foundation, grained roof. (See Machinery Wanted—Metal Ceilings; Steel Sash and Trim; Flooring.)*

Tenn., Memphis.—E. L. Harrison, Archt., Fidelity Bank Bldg., completed plans for \$75,000, 2-story store and apartment building, S. W. cor. Union Ave. and Wellington St., for Julius Goodman, 3 S. Main St.

Tex., Austin.—D. Gellman, 201 E. Sixth St., has plans by H. F. Kuehne, Littlefield Bldg., for remodeling store building, Sixth and Brazos Sts.

Tex., Colorado.—Thomas Ernest erect \$40,000, 2-story, brick and concrete business building.

Tex., Fort Worth.—C. T. Scott erect brick store at 1628 Fifth Ave., cost about \$10,000.

Tex., Galveston.—D. N. McKenzie, Archt., 2107½ E Street, opened bids for erecting 2-story, brick and hollow tile, 60x86 ft. building for Mrs. Kleinecke Kastle; advises "Contract has been indefinitely postponed."

Tex., Kerrville.—A. Wolfmueller, owner of Lowry Building, remodel front, install plate glass show windows and overhaul.

Tex., Mission.—D. C. Decker, George H. Speer, A. H. Strable and Duncan & Melch will erect five 25x90-ft. business buildings.

Tex., Mission.—Gutierrez & Austin soon let contract for \$20,000, 50x42-ft. building;

stores on first floor, apartments above; also 50x20-ft. warehouse in rear.

Tex., Mission—W. L. Pearson & Co., McAllen, and First Natl. Bank Bldg., Houston, will erect \$15,000 brick building.

Theaters

Fla., Miami—Seminole Theater Corp. will erect \$150,000, Spanish type motion picture theater, 54th St. and Seminole Ave., in Hialeah; seating capacity of 1500; Bloomfield Realty Co., 219 N. E. First Ave., represent owners in management and operation of building; D. Leonard Halper and Lee Perry, Archts., 310 Realty Board Bldg.

Md., Frederick—Harry M. Crandall, 4530 16th St. N. W., Washington, D. C., has completed plans by John J. Zink, 424 Saratoga St., Baltimore, for erection of \$250,000 theater building on Schley property, W. Patrick St.; seating capacity 2000.*

Mo., Kansas City—James Jopolas erect \$14,000 motion picture theater, 2418-20 Indiana St.

N. C., Charlotte—Julian H. Little, Pres. of Independence Trust Co., 5 N. Tryon St., purchased property at 223 W. Trade St., reported interested in renovation of present store building and erection of theater at rear of property.

N. C., Elizabeth City—Carolina Theaters Corp., E. D. Turner, Pres. and Gen. Mgr., signed lease; bids will be opened June 3 for erection of \$125,000, 84x110-ft. Carolina Theater Building in rear of Carolina Bank Building; seat 1250 people, remodel bank lobby to provide theater entrance; financed by stockholders of Carolina Banking & Trust Co. and promoted by W. T. Culpepper; Benton & Benton, Archts., Fidelity Bldg., Wilson.*

BUILDING CONTRACTS AWARDED

Association and Fraternal

Ark., Little Rock—Al Amin Shrine Club let contract for \$150,000 club about 15 miles south of Little Rock to Herman & McCain Construction Co., Reigler Bldg.; 1 story, 3 stone fireplaces, lockers, showers and dressing rooms in basement; Wittenberg & Delong, Archts.*

Miss., Vicksburg—Allein Post, American Legion, Jack Miller, Commdt., 2300 Drummond St., let contract to G. Pendergraft for community house, Jackson and Cherry Sts.; brick, 2 stories, 60x80 ft., built-up roof, hardwood dance floor 40x75 ft.; auditorium seat 2500; Wm. A. Stanton, Archt.*

Tenn., Memphis—Stonewall Jackson Lodge, A. F. & A. M., Tom Brown, Chmn., Bldg. Comm., 963 Union Ave., let contract to L. L. Diehl, 1663 Forrest St., for \$30,000 stone front temple, Overton Park and Avalon St.; 2 stories, 53x100 ft., common brick, built-up roof, plate glass, struct. steel, steam heat; Hubert T. McGee, Archt., 801 Fidelity Bank Bldg.

Bank and Office

Ala., Birmingham—Birmingham Trust & Savings Co., 112 N. 20th St., repair office bldg., 1919 First Ave.; 2 stories, Woolard & Lynch, Contrs., Steiner Bldg.; heating, F. R. Heck, 2028 Humboldt Ave.; wiring, Whisler Electric Co., 419 N. 19th St.; sheet metal, C. A. Bain, 1702 N. First Ave.

Ala., Birmingham—Henry Upson Sims, First Natl. Bank Bldg., let contract at \$120,500 to Davis Co., 801 Sixth Ave., for 2-story and basement office bldg., 21st St. and Second Ave.; brick and reinforced concrete on steel frame, foundation to permit 11 additional stories, 75x100 ft., marble and tile facing, tar and gravel roof, face and common brick, cast stone, reinforcing and struct. steel, concrete, wood and tile floors; D. O. Whilldin, Archt., 515 Twenty-first St.; plumbing and vacuum steam heating, Theo. Pate Co., 2215 Avenue A, \$6182; wiring, O'Keefe & Lyons Electric Co., 1702 Fifth Ave., \$16,661.*

Ala., Ensley—Ensley National Bank remodel and erect addition to bldg., Avenue F and 19th St.; brick and concrete, 1-story and mezzanine; D. O. Whilldin, Archt., 515 N. 21st St., Birmingham; Davis Co., Contr., 2023 Avenue C; plastering, R. A. McLeod, 1616 N. First Ave.

Ark., El Dorado—Exchange Realty Co., Geo. W. James, Pres., let contract to Stewart-McGehee Construction Co., Kahn Bldg., for \$500,000 Exchange Bldg., Washington and Oak Sts.; 10 stories, brick and stone, marble interior finish; Mann & Stern, Archts., A. O. U. W. Bldg., both Little Rock.*

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Tex., Austin—Mrs. A. Tobin soon let contract for erection of \$27,000, 2-story theater building; concrete foundation, brick walls, wood, concrete and tile floors, steam heat; H. F. Kuehne, Archt., Littlefield Bldg.

Tex., Fort Worth—Jesse H. Jones and Associates, Bankers Mortgage Bldg., Houston, and George T. Vickers, 913 First Natl. Bank Bldg., Fort Worth, soon receive bids for erection of \$1,500,000, 22-story, 100x200 ft., brick, stone, steel, reinforced concrete, fireproof hotel and theater building; Alfred C. Finn, 505 Bankers Mortgage Bldg., Houston, and Wyatt C. Hedrick, 1005 First Natl. Bank Bldg., Fort Worth, Asso. Archts.*

Warehouses

Fla., St. Petersburg—Byers Brothers erect \$12,000, 1-story, tile cement warehouse, 701 23rd St. South.

Fla., Tampa—Piggly Wiggly, Inc., E. M. Lively, Mgr., Tampa district, 100 Franklin St., purchased Whiting St. site for addition to warehouse.

Md., Baltimore—United States Rubber Co., 325 W. Lombard St., leased building at N. E. cor. Charles and Barre Sts.; improve at cost of \$50,000.

Mo., Kansas City—Louis Leritz, 2616 Warwick Blvd., plans to erect warehouse on Main St.

Tex., Dallas—Huey & Philip Hardware Co., J. Paul Kelly, Vice-Pres., 1029 Elm St., start work at once on rebuilding 50x100 ft. warehouse recently burned.*

Tex., Galveston—Security Warehouse Co. erect new warehouse at 36th St. and Avenue E; T. V. Jenkins, Consol. Engr., 412 15th St.

Churches

Ala., Birmingham—I. A. Kea, care H. D. Breeding, Archt., Watts Bldg., has contract for Baptist Church at College Hill; brick and stone, 2 stories, 45x72 ft., tile roof, steam heat.

Ark.-Tex., Texarkana—First Baptist Church, C. F. Fluhler, Chmn., Bldg. Comm., erect \$110,000 building, W. Broadway; 3 stories, brick and stone; auditorium seat 1000; classrooms; construction under supervision of Sam Boutin, Cape Girardeau, Mo.

Fla., Orlando—Ohey Sholem Congregation let contract to G. C. Construction Co. for \$25,000 synagogue, S. Eola Drive near Church St.; cement block, hollow tile and stucco; Geo. Edw. Krug, Archt., 30 E. Church St.

Ga., Macon—Morrison Memorial Methodist Church, A. R. Briggs, Chmn. Bldg. Comm., R. F. D. 3, Box 122 (formerly Newberg Methodist Church), erect \$7500 brick veneer building by day labor; 1-story and basement, 36x80 ft., cement and wood floors, concrete foundation, shingle roof; furnishings, equipment, etc., \$2500. See Machinery Wanted.

Ga., Thomaston—P. N. Johnston is secretary of church to erect 3-story Sunday school by day labor; T. L. Brodie, Archt., 1315 Age-Herald Bldg., Birmingham, Ala.

Ky., Henryville—Christian Church, Colored, started work on \$12,000 building to replace structure destroyed by storm. Address The Pastor.

Ky., La Center—Methodist Church started work on building: main auditorium, Sunday school rooms, dining room, kitchen; D. Harry Jameson, Archt., 630 Broadway, Paducah.

La., New Orleans—Lukens Steel Co., Poland and Rocheblave Sts., has steel work contract for Agudth Achim Anshe Sfarad synagogue; millwork, National Sash & Door Co., N. Dupre and Carondelet Sts.; electric wiring, O. Z. Levy; lumber, Orleans Lumber Co., Carrollton Ave. and New Basin; Hyman Rabinowitz, Archt.-Contr., 205 Strand Bldg.*

La., Plaquemine—Horace White, 821 Carondelet St., New Orleans, has contract for tile roof for St. John's Evangelist Church; Emile Weil, Inc., Archt., Whitney Bldg.; J. V. and R. T. Burkes, 1402 New Orleans Bank Bldg., contract at \$180,711.*

La., Plaquemine—W. W. Carre Co., Ltd., 901 S. Jefferson Davis Pkwy., has lumber contract for \$200,000 St. John's Evangelical Church, Emile Weil, Inc., Archt., Whitney Bldg.; J. V. & R. T. Burkes, Contrs., Carondelet Bldg.*

La., Shreveport—St. Paul's M. E. Church let contract at \$26,360 to W. G. Butler, Inc., for building; reinforced concrete and brick, 1 story and basement, 42x80 ft., concrete and wood floors, concrete foundation, composition shingle roof; Seymour Van Os, Archt., Merchants Bldg. See Machinery Wanted.

Md., Cumberland—St. Luke's Lutheran Church let contract at \$131,430 to Jas. C. Powell for Sunday school, Bedford and Columbia Sts.; Gothic type, granite rubble, stone composition trim. 1-story and basement, 69x100 ft.; gallery in auditorium; church and parsonage later; Richter & Eiler, Archts., Reading, Pa.*

Mo., Cape Girardeau—Baptist Church, W. C. Ballard, Chmn., Bldg. Comm., erect \$110,000 building, W. Broadway; pressed brick and mill constr., stone trim, 3 stories and basement, 93x198.6 ft., oak floors, Majestic coal chute, fire escapes, steam heat; R. K. Knox, Archt., H. H. Bldg.; day labor. Address Owner.

Mo., Warrensburg—Christian Church let contract for \$28,000 building to Harry Williams.

N. C., Chimney Rock—Baptist Church erect building; millwork by Central Lumber Co., Charlotte.

Okla., Oklahoma City—Carmelite Fathers let contract at \$63,776 to Reinhart & Donovan, Trades National Bank Bldg., for building, 1015 S. Walker St.; brick, stone and concrete, fireproof, 2 stories and part basement, 48x120 ft.; Monnot & Reid, Archts., Magnolia Bldg.

S. C., Columbia—Park Street Baptist Church let contract to J. C. Heslep, 1100 Senate St., for remodeling building; new entrance tower; J. H. Sams, Archt., Carolina Bank Bldg.*

Tenn., Clarksville—Church of the Nazarene, Rev. W. F. Rutherford, Pastor, erect \$36,000 building, Madison St. and Academy Ave.; erect Spanish Mission type building by day labor; work to start early in June.

Va., Richmond—Westhampton Baptist Church, W. T. Clark, Chmn., Bldg. Comm., 5814 York Rd., let contract on cost plus.

CONSTRUCTION DEPARTMENT

basis to J. E. Dicks, 5600 Cary St., for \$22,000 brick Sunday school addition; 3 stories, 48x52 ft., wood floors, concrete foundation, Barrett roof. (Lately incorrectly reported.)*

City and County

Ala., Gadsden—Etowah County Board of Commsrs. erect \$34,000 courthouse wing under supervision of W. H. Mayben; 8 rooms, 2 stories, 80x80 ft.; heat from central plant.*

Fla., Milton—Santa Rosa County Board of Commsrs. let contract at \$137,000 to Hugger Brothers Construction Co., Shepherd Bldg., Montgomery, Ala., for fireproof courthouse and jail; Warren, Knight & Davis and Chandler C. Yonge, Archts., 500 American National Bank Bldg., Pensacola, Fla.*

N. C., Charlotte—City and Mecklenburg County erect market, E. Fourth St.; C. C. Hook, Archt., 338 S. Church St.; millwork by Central Lumber Co.*

N. C., Sparta—Alleghany County Board of Commsrs. let contract for steel cell work in proposed jail to Manly Jail Works, Dalton, Ga.; Benton & Benton, Archts., Fidelity Bldg., Wilson.*

S. C., Aiken—Anderson-Stiefel Construction Co. has contract for \$10,000 Dibble Memorial Library; brick and tile, 1-story, 24x48 ft., oak floors, brick and concrete foundation, asbestos roof; furnishings, equipment, etc., \$2000; F. Burrall Hoffman, Archt., 58 E. 70th St., New York. See Machinery Wanted.*

S. C., Columbia—Richlands County Board of Commsrs. let contract to W. B. Summerett, Holly St., for infirmary and dining hall at almshouse near Columbia; brick veneer, composition roofs; cost about \$15,000; furnishings, equipment, etc., \$1500; J. B. Urquhart, Archt., 607 Palmetto Bldg.; framing, ceiling, millwork and flooring to Cunningham Lumber Co.

Tex., Eagle Lake—City let contract to W. O. Stephenson, Floresville, for \$20,000 city hall and fire station; plumbing and electric work, R. H. Towell, Eagle Lake; Page Bros., Archts., Austin Natl. Bank Bldg., Austin.*

Dwellings

Ala., Birmingham—Chas. A. Alexion, 331 N. 17th St., revising plans for frame residence, North Ave. and 31st St.; 1-story and basement, 34x52 ft., composition roof, concrete basement, hot air heat; J. E. Salle, Archt., 2223 Age-Herald Bldg.; day labor.

Ala., Birmingham—Max Cohen, 1705 Avenue G, erect \$15,000 brick residence, Bush Hills; 2 stories, 36x 68 ft., slate roof, hardwood floors, tile baths; Phillip S. Mewhinney, Archt., 1014 Woodward Bldg.; Earl Cline, Contr., 1011 N. 16th St.; sheet metal and roofing, Hinkel Bros., 2406 First Ave.; brick, Stephenson Brick Co.

Ala., Birmingham—E. E. McCoy, Rhodes Court Apts., let contract for \$35,000 residence to Paul Bros., 1710 Tuscaloosa Ave., Hollywood; face brick veneer, 2 stories and basement, 33x80 ft., hardwood floors, slate roof, 3 tile baths, steam heat, oil burning system; C. H. McCauley, Archt., 709-11 Jackson Bldg.*

Ala., Birmingham—Alan Smith, 400 S. 44th St., let contract for \$14,000 residence, S. 43d St. and Overlook Rd., to Woolard & Lynch, Stelner Bldg.; brick veneer, 8 rooms; plumbing and heating, Frank R. Heck, 2028 Humboldt Ave.; electrical wiring, Whistler Electric Co., 419 N. 29th St.; interior decorating, Colby Decorating Co., Lyric Bldg.; stone, C. F. Melcher Cut Stone Co., 4600 Second Ave.*

Ala., Birmingham—Dr. W. S. Sowell, 951 Linwood Rd., Forrest Park, erect \$15,000 residence; face brick veneer and stucco, 2 stories, 33x50 ft., tile roof and bath, hardwood floors, steam heat, garages; Woolard & Lynch, Contrs., 2115 N. First Ave.; plumbing and heating, Frank R. Heck Plumbing & Heating Co., 2028 Humboldt Ave.; electric wiring, Whistler Electric Co.; roofing, Chandler Construction Co., Age-Herald Bldg.; sheet metal work, C. A. Bain, 1704 First Ave.; interior decoration, Colby Decorating Co., Lyric Bldg.

Ala., Gorgas—Southwestern Coal Co. erecting 50 five-room miners' dwellings.

Ark., Little Rock—H. F. Rieff, 212 W. Second St., and S. M. Garwood, 206 N. Maple St., erect \$10,000 brick veneer residence, Prospect Terrace; 2 stories, hardwood floors, 2 baths; N. M. Nabors & Son, Contrs.

Fla., Coconut Grove, Miami—Gustave Flipse erect \$30,000 residence, The Moorings subdivision; Italian Renaissance type, 2 stories, solarium, electric refrigeration, 2 baths, or-

namental iron; Henry La Pointe, Archt., Burdine Bldg., Miami.

Fla., Coral Gables, Miami—Herbert H. Page erecting \$50,000 residence, Coral Way and Toledo St.; Spanish type, 2 stories, 3 baths; Frank Wyatt Woods, Archt., Halcyon Arcade; Page Construction Co., Contr.

Fla., Jacksonville—H. Agato erect \$10,000 residence and stucco residence, Pine St. near Perry St.; 2 stories; K. E. Oliver, Contr.

Fla., Jacksonville—Ella E. Burroughs erect \$10,000 residence, Challen St., near Forbes St.; 2 stories, tile; J. C. Pritchard, Contr., St. John's Park.

Fla., Madison—A. H. Morrow erect dwelling, Millinor St. near Range St., South Madison, in addition to 1 nearing completion.

Fla., Miami—Normandy Beach Properties Corp., 201 E. Flagler St., plans 50 dwellings, Isle of Normandy; first unit of 12 at once; Mediterranean, Italian Renaissance, Spanish, Moorish, Venetian and Persian types; total cost about \$400,000; Ivan G. Black and H. G. Gruber, Archts.; Garson Construction Corp., Contr., 229 N. E. Second Ave.

Fla., Miami—Bert C. Hintz, care Hintz Construction Co., erect \$12,000 residence and garage, N. W. 32nd St. and 28th Ave.; 2 stories; Saml. R. Wyvill, Archt.

Fla., Orlando—E. G. Hanslet erect \$20,000 residence, Park Lake Court; J. E. Woodwich, Contr.

Fla., Orlando—J. H. Mooney, 411 N. Orange Ave., erecting \$12,000 residence, Bailey Heights; brick veneer, pine, oak and poplar finish floors; John Crone & Son, Archts., Winchester, Ky.

Fla., St. Petersburg—Sidney H. DeWolf, 801 Fourth St. S., erecting 6 dwellings, adjoining City Gardens, Gandy Blvd. area; frame, 1-story, 24x36 ft., wood floors, brick foundation, composition roofs, cost \$3000 each; electric work, H. Howard, 11th Ave. S.; plumbing, Fred Quinlan, Ninth St. N.; lumber, St. Petersburg Novelty Works, First Ave. S.; 34 additional dwellings planned. See Machinery Wanted.*

Fla., St. Petersburg—T. M. Gibbs Construction Co. has permit for \$20,500 dwelling and garage, Granada Way, Lakewood Estates.

Fla., Tampa—H. E. Frost, care Frost Construction Co., 811 S. Howard Ave., erecting \$25,000 residence, Chapin Ave.; English type, brick and stucco; Felch & Southwell, Archts., 310 S. Delaware Ave.; G. Herbert French, Asso. Archt.

Fla., Tampa—Mrs. R. E. Scipper, 213 Mo-hawk Ave., erecting \$11,000 residence; Denison interlocking tile and stucco, 1 story, 48x52.6 ft., pine B. & B. floors, Johns-Manville roof; John W. Biggar, Archt., Lime St.; Taylor & Gestrich, Contrs., Room 14, 212½ Franklin St. (See Machinery Wanted.)

Fla., West Palm Beach—Geo. S. Besel, Mgr., Southern Land & Timber Co., erect \$50,000 residence, North Shore Terrace; Da-Camara-Chace Construction Co., Contr.

La., New Orleans—Mrs. Simon Abraham, 1512 Seventh St., erect \$12,500 building, Octavia and Clara Sts.; 2 stories; Max Singer, Contr., 336 Baronne St.

La., New Orleans—Eureka Homestead Society, 451 Camp St., erect \$18,050 building, Nelson St. and Broadway; Wm. Evers, Contr.

La., New Orleans—Dr. Geo. J. Hauer, Audubon Bldg., erect \$20,000 residence, Ver-sailles Blvd. and Claiborne Ave.; brick, tile and stone, tile roof, baths and porches, finished wood floors, copper screens, hot-water heaters, automatic heating system, plumbing, electric wiring, garage; A. N. Goldberg, Contr., 2303 Joseph St., will receive sub-bids.

La., New Orleans—Chas. N. Lewis, 8226 Apricot St., erect 2 duplexes, Apricot and Danto Sts.; wood frames, insulated, 2 stories, 27x70 ft., concrete and brick foundations, asbestos roofs; total cost \$20,000; F. W. Renneche, Archt.; Morgan G. Trahant, Contr., 2725 Leonidas St.; address equipment proposals to owner.*

La., New Orleans—Mrs. E. W. Vacher, 544 Tchoupitoulas St. and Fldmar Homestead Assn., Canal-Commercial Bldg., erect \$10,500 duplex, Cohen and Short Sts.; Frank E. White, Jr., Contr.

Md., Baltimore—E. J. Gallagher Realty Co., Munsey Bldg., erect 44 two-story brick dwellings, 3400 block Ravenswood Ave. and 10 in 2000 block Robb Ave.; total cost \$150,000; owner builds.

Md., Baltimore—Jos. Gehring, 2133 Denison St., erect 5 brick dwellings, E. side Webster St. N. of Heath St.; 2 stories, 32x20 ft. and 15x41 ft., slag roofs, steam heat; total cost \$20,000; Stanislaus Russell, Archt., 11 E. Lexington St.; owner builds.

Md., Baltimore—Frank Novak Realty Co.,

In writing to parties mentioned in this department it will be of advantage to all concerned

Manufacturers Record

Gunther Bldg., erect 35 dwellings, 300 and 400 blocks S. 27th St.; 2 stories, brick; total cost about \$200,000; owner builds.

Md., Baltimore—H. A. Stillwell erect \$10,000 block residence and garage, Fordham Drive near Fords Lane; 2 stories, 37x29 ft. and 17x19 ft., slate roof, hot-water heat; plans and construction by owner.

Md., Baltimore—J. L. Bealmeir, Fidelity Bldg., erect 6 brick dwellings, N. side Pressman St. W. of Rosedale St.; 2 stories, 15x44 ft., slag roofs, steam heat; total cost \$15,000; C. H. Hebrank, Archt., 3 E. Lexington St.; owner builds.

Md., Baltimore—Henry Berger erect 3 frame dwellings, S. E. side Glenwood Ave.; 1½ stories, 24x28 ft., hot-air heat; total cost \$10,000; R. C. Brockmeyer, Archt., 1685 N. Milton Ave.; owner builds.

Md., Baltimore—M. W. Lusk, 708 E. 25th St., erect \$12,000 brick residence and garage, 38x34 ft. and 20x20 ft., slate roofs, hot-water heat; total cost \$12,000; H. C. Aiken & Co., Archts.-Contrs., 2234 Aiken Ave.

Md., Salisbury—W. S. Gordy, Jr., erect \$25,000 residence, W. William St.; I. E. Gordy, Contr.

Md., Baltimore—John J. Hurst, 7 St. Paul St., erect 3 frame dwellings, Edgemere and Park Hill Sts.; 2 stories, 30x36 ft. and 24x24 ft., steam heat; total cost about \$10,000; F. E. Beall, Archt., 306 St. Paul St.; owner builds.

Miss., Coldwater—Baptist Church erect parsonage; M. O. Gann, Contr.

Mo., Columbia—I. L. Davis has contract for \$10,000 dwellings, 1500 block University Ave.

Mo., Columbia—Stewart Brothers Co. erecting \$25,000 dwelling, Burhman St., and \$15,000 dwelling, Grassland addition.

Mo., Springfield—Mrs. A. C. Franklin erecting 6-room bungalow; A. M. Mayfield, Contr., 1033 E. Commercial St.

Mo., Springfield—A. M. Mayfield, 1033 E. Commercial St., erecting 5-room bungalow for Mrs. Alecorn.

Mo., Springfield—Bertram Turner, Boulevard and Commercial Sts., let contract to Mr. Barton for brick and tile residence, 1339 N. Jefferson St.; 8 rooms.

N. C., Greensboro—H. L. Hicks, 803 Keogh St., erect \$11,000 residence, Arlington St.; brick veneer, 2 stories, 12 rooms; K. C. Benbow, Contr., W. Market Terrace.

Tenn., Franklin—Mrs. Geo. J. Briggs erect brick veneer residence; 1-story, composition shingle roof; Geo. D. Waller, Archt., Independent Life Bldg., Nashville; S. E. Farnsworth, contract at \$19,000. See Machinery Wanted.*

Tenn., Johnson City—Dr. L. K. Gibson started work on \$10,000 residence, Unaka Ave. and New St.

Tenn., Knoxville—E. F. Ferrell and W. C. Buffin erect 3 dwellings, Sequoyah Hills; total cost \$55,000; hollow tile and stucco, 10 and 11 rooms and baths; B. L. Chambers, Contr., 703 Market St.

Tenn., Memphis—M. Schwartz erect 12 brick veneer dwellings, Kerr, Thomas and Seventh Sts.; 6 rooms, total cost \$48,000; Ben Ballard, Contr.

Tenn., Memphis—Dr. J. F. Bigger, Columbian Tower, erect \$10,000 residence, 1491 Vance St.; brick veneer, 2 stories and basement, 58x37 ft., composition roof, oak floors, 2 tile baths, hot water heat, garage; S. G. Wilson, Contr., 1146 Minna Place.

Tenn., Memphis—Sam Eittingoff, 35 Byrd Bldg., erect 5 duplexes, 735-55 Montgomery and 1205-15 Looney St.; frame, 1-story, 24x16 ft., composition shingle roofs, pine floors; cost \$5000 each; day labor.

Tex., Corpus Christi—Nueces Land Co., R. F. Cummings, member, erect 14 dwellings, Del Mar addition, and 6 in Hillcrest addition; total cost \$135,000; work started.

Tex., Corpus Christi—Richard King, 517 N. Broadway, let contract to Summer-Sollitt Co., N. Beach St., for residence; plumbing, T. J. Cahill, 810 Carrizo St.; Italian Renaissance type, hollow tile and brick, 2 stories, garage; John W. Marriott, Archt., Frost Bldg., San Antonio.*

Tex., Houston—R. O. Deets, Mason Bldg., completed foundation of stucco residence, 2119 Wroton Rd.; 1 story, hardwood floors, tile roof; R. L. Slaughter, Archt., 3511 McKinney St.; A. E. Townsend, Engr., 1505 Branard St.; Bell Construction Co., Contr., 3511 McKinney. (See Machinery Wanted.)

Tex., Houston—Bell Construction Co., 3511 McKinney St., has contract for \$11,000 Spanish Mission type dwelling, Meadowbrook subdivision.

if the Manufacturers Record is mentioned.

Tex., Houston—E. J. Burke, 3001 Sherman St., erect 50 small dwellings, W. Opelousas St., adjoining Southern Pacific tracks; 4 rooms; total cost \$40,000; owner builds.

Tex., Houston—R. F. Cummings erect 5 frame dwellings, Del Mar addition; 5 rooms; has permits for 5-room frame dwelling, Van Loan St., and 1 on Stillman St.; all cost \$4000 each; also has permit for \$14,000, 2 story, 7 room brick veneer dwelling, Stillman St.

Tex., Houston—E. F. Fleming erect brick veneer residence, 1818 Sunset Blvd.; 2 stories, 8 rooms; W. S. Humphrey, Contr., 1415 Fairview St.

Tex., Mercedes—Michael Malos, 124 Idaho St., San Antonio, erect 16 dwellings; frame and stucco, built-in features; total cost about \$100,000; construction by owner.

Tex., Mexia—Dr. M. Brown erect brick veneer residence; 2 stories, part basement, 10 rooms; Bertram C. Hill, Archt., 1111 Republic Bank Bldg., Dallas; J. F. Deming, Contr.

Tex., San Antonio—C. H. Duncan, 222 Rosewood Bldg., erect \$21,000 residence, 108 W. Elsmere Place; 2 stories, brick; J. E. Dickey, Contr., Builders Exchange Bldg.

Tex., Sherman—Robin Elliott started work on residence, W. Rainey St.; edge-grain pine floors, built-in cabinets, concrete foundation.

Tex., Sherman—Harry Handy erect 6-room residence, 1400 block N. Wood St.; 1 story, shingles; J. Simmons, Contr.

Va., Richmond—Homestead Realty Construction Co., Matt P. Will, Pres., Sauer Bldg., erecting 7 dwellings, Sauer's Japanese Gardens; brick and stucco, 6 to 9 rooms, hardwood floors, tile baths; also completing 6 additional dwellings.

Hospitals, Sanitariums, Etc.

La., Shreveport—Genevieve Orphanage let contract for \$15,000 hospital ward to W. H. Werner, 903 Commercial Bank Bldg.; brick, 2 stories, interior tile, operating rooms, baths, etc.; Clarence W. King, Archt., 901 Gliddens-Lane Bldg.; plumbing, Fitzgerald Plumbing & Heating Co., 941 Louisiana St.; wiring, Cahn Electric Co., 706 Milan St.; brick, Acme Brick Co., City Bank Bldg.; roofing, Houseman Sheet metal Works, 1549 Gordon St.; painting, J. V. Schexnайдre, 1811 Park Ave.; plastering, T. J. Balfie, Ward Bldg.; cut stone, St. Louis Cut Stone Co., 3535 Gratiot St., St. Louis, Mo.*

Tenn., Memphis—Methodist Hospital, Inc., 1265 Union Ave., let contract for \$125,000 Lucy Brinkley Wing to Ferguson Construction Co., Graham Bldg.; reinforced concrete frame, Bedford stone base to first floor window sill line, terra cotta ashler face to second, red face brick and terra cotta trim above, symplex plastered partitions, 4 stories, 40x110 ft., terrazzo floors, reinforced concrete foundation, gravel roof; Walter F. Schulz, Archt.; F. A. Busse, Engr., both Shrine Bldg.; steam heating and plumbing, Schenck & Filmore, Western Union Bldg.; cut stone, D. R. Aitken Cut Stone Co.; brick work, Thomason & Petty; all Memphis; terra cotta, Atlanta Terra Cotta Co., Citizens & Southern Bldg., Atlanta, Ga.; all sub-contracts let.*

Hotels and Apartments

Ark., Camden—P. P. McKinney let contract to J. W. Black for 2-story, brick veneer, 4-apartment house, Cleveland Ave.

Ark., Helena—Cleburne Hotel, care George Zamble, recently let contract to F. S. Neely, 915 Fidelity Bank Bldg., Memphis, for \$57,000. 3-story, brick, wood joist, 105x48 ft. L-shaped, semi-fireproof addition; pine and oak floors, concrete foundation, Johns-Manville roof; Noone & Doubleday, 1553 Southern Ave., Memphis, steam heat and plumbing; Hickey Electric Co., 518 Cherry St., Helena, electric work; Standard Lumber Co., E. Fifth St., Pine Bluff, millwork; Memphis Lumber Co., Messick Bldg., Memphis, lumber; A. P. Coolidge, Archt., Interstate Bank Bldg.*

Fla., Hollywood—Frank Rouss, Box 1175, erecting \$25,000, 2-story, frame stucco, 28x90 ft. apartment house, Eighth and Madison Sts.; concrete and block foundation, composition roof, equipment and furnishings cost \$10,000; Sutton & Routt, Archts.; J. W. Robinson, Contr., Boulevard St. (See Machinery Wanted—Electric Refrigerators.)*

Fla., Miami—Julia Muneter, 530 N. W. 14th Ave., let contract to M. W. Davie, 156 N. W. Second Ave., for \$10,400 2-family apartment house; John Sculthorpe, Archt.

Fla., Miami—Harry and Luka Vanta, 301 Seventh Ave., New York, and Miami, let

contract to Davis Bros. of Florida, Inc., Calumet Bldg., for 3-story reinforced concrete and tile, stucco finish, art stone and Spanish tile trim building, S. W. 20th Ave. and 12th St.; cost \$250,000, including furnishings; 12 storerooms on first floor, 31 apartments on floors above; Charles K. Bryant, Archt., 126 S. E. Second St.

Fla., Palm Beach—Lockart & Stapper, 377 Fourth Ave., New York, erecting apartment building on Lake front.

Ky., Paducah—Col. H. C. Rhodes, 317 N. Seventh St., let contract to Frank Brenner, 210 S. 19th St., for remodeling and enlarging residence, 317 N. Seventh St., contain one 9-room apartment, seven 5-room apartments and three 4-room apartments; 3 stories, brick, 82x93 ft., Colonial design; Rouse & Nelson, Archts., Lenox Bldg.

Miss., Columbia—Henry Sims and George Westerfield, owners of Columbia Hotel, started work on 2-story addition; cement blocks furnished by R. Kall.

Mo., Kansas City—Fred Johnson let contract to R. J. De Lano, 708 Land Bank Bldg., for 2-story and basement, 56x211 ft., English type, 71-kitchenette apartment building, N. E. cor. Admiral and Tracy Ave.; concrete first floor supported by concrete piers; Mrs. N. E. Peters, Archt., 1006 Orear-Leslie Bldg.

Mo., Springfield—H. B. McDaniel, 597 St. Louis St., and R. L. Pate, 1094 Meadowmere Lane, purchased Central Hotel on Boonville Ave.; expending over \$10,000 for remodeling and improving.

N. C., Wilmington—Realty Bond Co., 16 W. Third St., Winston-Salem, let contract to W. A. Simon, Garrell Bldg., for erecting 8-family apartment house on Fourth Ave. Carolina Beach.

Tenn., Memphis—S. D. Payne erecting \$75,000, brick and stone, 12-apartment building, North Belvedere Blvd.; 4 rooms and bath each, tile roof; W. C. Lester, Archt., Arcade Bldg.

Tenn., Memphis—Thomas & Cohen erecting 16-apartment building, McLean Blvd. between Union and Madison Aves.; brick, tile roof, built-in equipment, electric refrigeration; Estes W. Mann, Archt., Cotton Exchange Bldg.

Tex., Corpus Christi—A. Broadland erect \$20,000, 1-story, 24x98 ft., frame, concrete and stucco, 8-apartment house, 500 block Liberty St.; owner builds.

Tex., Dallas—L. V. McDaniel, 2523 Madera St., let contract to Miller Construction Co., Inc., 633 Wilson Bldg., for \$40,000, 2-story, 57x110 ft., brick apartment house, 922 N. Haskell St.; hardwood floors, concrete foundation, built-up roof, equipment and furnishings cost \$10,000; D. D. Swindle, Archt., North Texas Bldg.; L. M. Chokla, Engr., 1813½ Main St. (See Machinery Wanted—Incinerators; Terrazzo Flooring; Dumb Waiters; Ventilators; Terra Cotta Trim.)*

Tex., Galveston—Frank Cheesborough let contract to C. E. Ekelund for \$11,000, 2-story, brick, 4-apartment house, 13th St. and Avenue R.

Tex., Houston—Jesse H. Jones, Goggan Bldg., let contract to Hewitt Construction Co. for \$1,500,000, 16-story hotel building at Main and Lamar Sts., extending back on Lamar to Travis Sts.

Tex., Houston—Herbert J. Lieb & Co., Stewart Bldg., erecting \$31,000, 2-story, brick veneer apartment building at 4205 Jack St.; D. O. Miller, Contr., 1312 Peden St.*

Tex., Houston—Don Hall, Contr., Cotton Exchange Bldg., head of Better Building Co., has permits for two \$50,000, brick veneer, 2-story, 12-apartment houses, Calhoun and Brazos Sts.

Tex., Sherman—C. C. Binkley and James Binkley of Sherman and Mrs. G. W. Hubbard, Colorado, let contract to J. C. Henderson for 2-story apartment house, 811 N. Crockett St.

Va., Richmond—Davis Brothers, Inc., Contr., 1716 Summit Ave., erecting \$75,000 apartment house at 3412 Monument Ave.; 16 suites, tile baths, hardwood floors, electric refrigeration, etc.

W. Va., Williamson—Sam Thabit let contract to Tri-State Construction Co. at \$93,355 for 3-story, 19 five-room apartment building, Sixth Ave. and Dickens St.; L. J. Dean, Archt., Simms-Keller Bldg., Huntington.

Miscellaneous

Ark., Rogers—J. W. Walker, Pres., Union Life Insurance Co., let contract for 50x100 ft. auditorium at Dream Valley; A. O. Clark, Archt.

Fla., Coral Gables—Cocoplum Women's Club let contract to Knight Construction

Co., 3505 N. E. Second Ave., Miami, for club building, Sunset Road; Howard & Early, Archts.

Fla., Coral Gables—Miami Community Market, Inc., J. G. Clark, Asst. Sec. and Treas., Glover-Boake Bldg., Ponce de Leon Blvd. and Almeria Ave., let foundation contract to Page Construction Co., Coconut Grove, for building in Craft section.

Fla., Melbourne—F. J. Matre, 175 W. Jackson Blvd., Chicago, Ill., planning to erect \$500,000 clubhouse and hotel in Palm Bay; construction by Math Ruen & Co., Hearst Blvd., Chicago.

Fla., Miami—Opa-Locka Co., Inc., G. Carl Adams, Pres., 132 E. Flagler St., erecting oriental design administration building, 4-story observation tower, archery clubhouse; structure to house bank, a supply headquarters, swimming pool, store building and homes, in connection with development of Opa-Locka, near Miami.

Fla., Orlando—Magnolia Realty Co., comprised of R. M. Batchelder and Elwin L. Orton, erect five 4-apartment buildings; Krug & Parrish, Archts., 30 E. Church St.; C. E. Decker, Contr.

Fla., Tampa—B. L. Hamner Realty Corp., B. L. Hamner, Pres., 311 Franklin St., erecting \$100,000 country clubhouse in North Side Country Club Area; concrete block construction overlaid with stucco; will install during summer a community schoolhouse to cost \$65,000; H. G. Ingraham, Archt. for company; E. C. Dawley, Supt. of Construction, care owners.

Mo., Springfield—Rev. J. F. Killian, 1618 N. Boulevard, is improving property at 1608 N. Boulevard and in 2100 block N. Main Ave.

Tex., Fredericksburg—Gillespie County Fair Assn. let contract to Stein Lumber Co. for grandstand, bandstand, 4 livestock exhibition halls, race track, etc.; \$15,000; frame and reinforced concrete construction.

Railway Stations, Sheds, Etc.

Tenn., Chattanooga—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., let contract to Rogers & Leventhal, Pound Bldg., for 2-story yard office building near end of Oak St. cost \$10,000 to \$18,000.

Tenn., Ramer—Mobile & Ohio R. R. Co., B. A. Wood, Ch. Engr., St. Louis, Mo., let contract to A. H. Patrick, Corinth, Miss., for frame station; concrete base, 30x60 ft.

Tex., Houston—Houston-Galveston Electric Railway let contract to Bell Construction Co., 3511 McKinney St., for \$12,000 interurban station at Meadowbrook.

Va., Alexandria—Southern Railway Co., Henry W. Miller, Vice-Pres., Washington, D. C., erecting \$35,000, 2-story, 84x40 ft., concrete frame, brick faced superintendent's office; concrete floors, mastic finish, built-up roof; plans by Engineering Dept.; John P. Pettyjohn & Co., Contrs., 212 Eighth St., Lynchburg.

Schools

Ala., Tuscaloosa—University of Alabama, George H. Denny, Pres., recently let contract to Skinner-Maxwell Building Co., Merchants Bank Bldg., at \$122,163, for erection of 3-story, attic and basement, 163x52 ft. Chemical Laboratory; concrete foundation, concrete frame and combination concrete and terra cotta, tile floors, brick walls, slate roof; O. T. Cole, vacuum system heating and plumbing; Elabash Electric Co., electric work; Bagby Elevator & Electric Co., 1916 Fourth Ave. N., Birmingham, elevator; Charles W. Rowe Co., 405 N. 24th St., Birmingham, and Tuscaloosa, painting; Warren, Knight & Davis, Archts., Empire Bldg., Birmingham.*

Fla., Arcadia—DeSoto County Board of Public Instruction erecting \$40,000, brick, 4-classroom and auditorium school building at Brownville; J. C. Harris, Archt.; B. Mann Construction Co., Contrs.

Fla., Coral Gables—University of Miami, Judge William E. Walsh, Pres. of Board of Regents, started work on \$1,000,000 administration building, to be first unit of \$10,000,000 University plant; have 27 classrooms, 3 stories, 600x50 ft., stucco finish with cast stone trim; work by Coral Gables Construction Co., Rodney Miller, Vice-Pres.; plans by Phineas E. Paist, Supvg. Archt. for Coral Gables, assisted by Denman Fink.*

Fla., Tampa—Hillsborough County Board of Public Instruction let contract to Holmes Construction Co. at \$17,300 for school at Gardenville and to Dudley & Nutter, Plant City, for Ruskin school at \$18,300; Frank A. Winn, Jr., Archt., 1101 Citizens Bank Bldg.*

Fla., Tampa—School Trustees of District

if the Manufacturers Record is mentioned.

In writing to parties mentioned in this department it will be of advantage to all concerned

No. 4, A. S. Boyer, Supt. of Bldgs., recently let contract to W. E. Rubush, Tampa and Ross Sts., at \$31,653 for 2-story, 60x110-ft., brick school for negroes, India St.; concrete and wood floors, concrete foundation, Barrett roof; Carl R. Couch, Archt., Room 6 McCrory Bldg.*

Fla., Tampa—Hillsborough County Board of Public Instruction let contract to Horton & Smith, 5701 Cherokee Ave., for \$65,000, 2-story, 186x204 ft., brick, cement tile and composition addition to East Tampa Schools, 28th Ave. and Corliss St.

La., Abbeville—Vermillion Parish School Board, W. J. Dunn, Sec., let contract to Caldwell Bros., 816 Howard Ave., New Orleans, at \$164,000, for erecting high and grade school; J. W. Smith, Archt., Ouachita Bank Bldg., Monroe.*

La., Church Point—Knapp & East, Contrs., Knurman Bldg., Lake Charles, let following sub-contracts in connection with their contract at \$70,608 for 2-story brick school: H. E. Buck Brick Co., Hodges St., brick; Powell Lumber Co., Viterbo Bldg., lumber; Lake Charles Building Material Co., Ilme; P. A. Bourgeois, painting, all Lake Charles; J. W. Thompson, Maison-Blanche Bldg., sand and gravel; J. Watts Kearney & Sons, 514 S. Peters St., plaster; Magnolia cement and building materials; Albert Brandin Slate & Roofing Co., Inc., 428 N. Rampart St., slate, all New Orleans; Texas Portland Cement Co., Second Natl. Bank Bldg., Houston, Tex., Portland cement; H. M. Sammons, Lafayette, electric wiring; Orange Car & Steel Co., Orange, Tex., iron and steel; Service Hardware Co., Inc., Franklin, plumbing and heating; T. C. Quirk, Opelousas, roof and sheet metal work; Lafayette Sash & Door Works, Lafayette, millwork.*

La., Simmesport—Avoyelles Parish School Board, Marksville, let contract to S. J. Lemoinne at \$12,415 for 1-story, frame elementary school building; Wm. T. Nolan, Archt., Canal-Commercial Bldg., New Orleans.*

Md., Baltimore—Board of Awards, Mayor Howard W. Jackson, Pres., will let contract to North-Eastern Construction Co., Lexington Bldg., at \$198,840, for erection of Curtis Bay School, Arlington St. and West and Alto Aves.*

Md., Baltimore—Francis E. Tormey, acting head of Bureau of Buildings, started work of repairing Douglass High School for Negroes, damaged by fire at \$10,000 loss.

Mo., Cape Girardeau—Tobin Construction Co., 1007 S. Compton St., St. Louis, recently awarded contract at \$34,900, for addition to May Greene School, assigned contract to Gerhardt Construction Co., Cape Girardeau.*

N. C., Gastonia—Board of Education let contract to Gaston Construction Co., at \$26,000, for 3-story, 55x37 ft. addition to High School; brick walls, concrete and steel frame, limestone trim, maple and mastic floors, concrete footing foundation, Barrett roof; Gastonia Plumbing & Heating Co., heating and plumbing; Michael & Bivens, electric work; John J. Morton, W. Morehead St., Charlotte, limestone trim; White, Streeter & Chamberlain, Archts.*

N. C., Thomasville—Fair Grove School District Board of Trustees let contract to Reid Everhart for \$40,000 school building.

Tenn., Alcoa—City of Alcoa started work on \$70,000, 1-story, brick, 103x271-ft. school building; hardwood and composition floors, concrete foundation, slate roof; P. R. L. Hogner, Archt., New Kensington, Pa.; work by owner under direction of City Mgr. (See Machinery Wanted—Composition Flooring.)*

Tenn., Old Hickory—Davidson County Board of Education let contract to Boone Contracting Co., Independent Life Bldg., Nashville, at \$100,000, for 2 story and basement, brick school building; concrete and hardwood floors, steel sash and trim, rolling partitions; George D. Waller, Archt., Independent Life Bldg., Nashville. (See Machinery Wanted—Flooring.)*

Tex., Abilene—Board of Education, Ben L. Cox, Sec., let contract to Glenn G. Lamson at \$37,000 for 3-story, 32x60-ft., brick, reinforced concrete and stone, fireproof high school building addition; S. P. Osburn, 1900 Fifth Ave., Fort Worth, heating; Moody Electric Co., wiring; David S. Castle Co., Archts., Alexander Bldg.*

Tex., Big Sandy—Board of Trustees Big Sandy School District let contract to Owen Davis for \$35,000, brick, stone and reinforced concrete school building; John W. Westbrook, Archt., 407 1/2 N. Bishop Ave., Dallas.*

Tex., Dallas—H. L. Goerner, Dallas County Supt. of Schools, let contract to G. E. Shirley, at \$31,343, for 2 story, brick school building in Vickery District; C. H. Leinbach, Archt., Deere Bldg.

In writing to parties mentioned in this department it will be of advantage to all concerned

Tex., Houston—Board of Education, H. L. Mills, Bus. Mgr., let contract to Carl Curtis, 200 Preston St., at \$61,111, for 2 story, concrete, tile and brick school building.

Tex., Letot—Board of Education, G. M. Cole, Farmers Branch, Pres., let contract to Smith & Jones, 4510 Cole Ave., Dallas, at \$13,092, for 1-story, 54x96-ft. brick and stone school building; Bayard M. Smith Co., Archts., 916 College Ave., Dallas.*

Tex., Mineral Wells—Board of Education, E. W. McLeod, Sec., let contract to G. S. Shirley, 3007 Swiss Ave., Dallas, at \$10,890, for Colored High School; Robertson Plumbing Co., plumbing at \$1035; A. B. Withers, Archt., 104 1/2 Oak St.*

Tex., Ranger—Board of Education let contract to Whitehill Construction Co. at \$25,200 for 1-story, 12-room, brick, tile and concrete ward school; R. S. Glynn, Archt., Cisco.*

Va., Danville—L. B. Flora & Co., Contrs., Main St., let following sub-contracts on \$174,000 Rison Park School: stone work, W. D. Rowe Co., Paxton St.; roofing; Swain Watson Corp., Craghead St.; steel and iron work, Roanoke Iron Works, 371 Third St. S. E., Roanoke; heating, plumbing and electric contracts not yet awarded.*

Va., Fort Myer Heights—Arlington County Board of Education, Fletcher Kemp, Supt., let contract to Arthur L. Smith & Co., 819 13th St. N. W., Washington, D. C., at \$21,700, for 4-room school building at Leeway, on I-95 Highway.

Va., Wytheville—School Board let contract to M. C. Miller, Christiansburg, for 8-room school building on Tazewell St.

W. Va., Bluefield—Board of Education Beaver Pond District, E. C. Wade, Sec., let contract to H. A. Lucas, L. C. Bldg., for erecting superstructure of Ramsey Street Junior High School; Garry & Sheffey, Archts., rooms 301-2 First National Bank Bldg.*

Stores

Ala., Florence—Buffler Brothers, Contrs., erecting 5 concrete business buildings for Dr. L. E. Bailes, Luther Howard, F. P. Williams, Camp and Graham and Ed. Williams, replace structures burned; \$12,000.

Fla., Bunnell—O. E. Osborne, Daytona Beach, started construction of 1-story concrete building.

Fla., Miami—Howard Losey, 1740 N. W. 20th St., let contract to W. Williford Co. for \$15,000 group of stores, 2101 N. W. 17th Ave.

Fla., Miami—F. L. Miare expending \$30,000 for improvements to 8 stores, N. Miami Ave. and Third St.; include new fronts of cast stone finish, Spanish type, remodel interiors; W. R. Fling, Contr., 94 N. W. Eighth St.

Fla., Miami—Rose F. Grimm and A. P. Ernst, erecting \$12,500, 1-story, 55x115-ft. store building, 980 S. W. 22nd Ave.; concrete columns and girders, cement blocks, concrete foundation, cement floors, composition roof; plans and construction by Charles Grimm Co., Box 618, Route 3, Coral Gables.*

Fla., Miami—Locoto Construction Co. erect 8 stores at S. E. cor. N. W. Second Ave. and 54th St.; William D. Johnson, Archt.

Fla., Miami Beach—Joseph Monfils, Pine-tree Dr., let contract to Arthur E. Jacobson for \$15,000 store building, Washington Ave. and Sixth St.; John A. Bradley, Archt.

Fla., St. Cloud—Mr. Bouteille started work on 25x146 ft., tile block and stucco store building, New York Ave.

Fla., St. Petersburg—Mr. and Mrs. B. G. Letzring, E-816 15th Ave. North, erecting \$18,000, 2-story, 50x220-ft., frame and concrete shops and warehouse, 14th Ave. South and Salt Creek; cement, pine and composition floors, steel and reinforced concrete foundation, composition roof; work by day labor. (See Machinery Wanted—Flooring.)*

Fla., Winter Park—J. Wren Taylor erecting business building on E. Park Ave.

Miss., Baxerville—A. Fatheree let contract to R. Kall, Columbia, for furnishing cement blocks for erection of store and filling station.

Mo., St. Louis—Will Hoggman has contract for \$12,000, 1 story, brick and stone building, Second and Center Sts.

N. C., Raleigh—J. Ivan Clendenin and others, B. & L. Bldg., started work on \$19,000, 2-story, brick, 40x50-ft. business building, 16-18 W. Hargett St.; hardwood floors, cement foundation, composition roof; Phillip Schwartz, Archt., Peace St.*

Tenn., Franklin—Henry Painter, Third Ave. North, let contract to S. E. Farns-

worth & Co., Fourth Ave. South, at \$10,500 for 2 story, brick, 40x85-ft. hardware store, Main St. and Public Square; hardwood floors, stone foundation, metal roof; George D. Waller, Archt., Independent Life Bldg., Nashville. (See Machinery Wanted—Metal Ceilings; Wire Glass; Hardwood Flooring; Ventilators; Cast Stone.)*

Tenn., Kingsport—B. L. Day, Middleboro, started foundation work for 2-story, brick business and apartment building, Market St.; day labor under supervision of Sam Brock.

Tenn., Knoxville—B. H. Sprankle, 422 W. Union Ave., started work on \$100,000, 3 story, 65x25-ft. building, Locust St. between Union and Western Aves.

Tenn., Martin—N. B. Williams awarded contract by G. H. Parker for business building; R. T. Ago & Co. has contract for brick work.

Tenn., Memphis—Abe Scharff, Poplar Park, erecting \$30,000, 8-store block, Linden and Camilla Sts.; Regan & Weller, Archts., Bank of Commerce Bldg.; J. Y. Callahan, Contr., 1342 Snowden St.*

Tex., Donna—Andrew Champion let contract to W. T. Liston, Harkingen, for \$16,000, 2 story, brick and stucco store building.

Tex., Livingston—John McLellan, Archt., Woolworth Bldg., Houston, let contract to R. B. Shearer, Lufkin, for \$16,000, 2 story, brick and tile building for Carl Bergman.

Tex., Wichita Falls—J. A. Kemp, City Natl. Bank Bldg., let contract to D. H. Whitehill Construction Co., 2010 Fifth St., for \$24,000, 2 story, 50x150 ft., 2 story, brick and reinforced concrete business building; private plans.

Theaters

La., Leesville—Knapp & East, Contrs., Kaufman Bldg., Lake Charles, let following sub-contracts in connection with their contract at \$45,550 for theater, store and office building: Electric Service Co., 850 Orleans St., electric wiring; Beaumont Sash & Door Co., millwork and plate glass; Ed. E. Eastham, 356 Fannin St., plumbing; W. A. George, 39 S. Main St., plumbing; H. H. Sanders & Son, 1054 Park St., roof and sheet metal work, all Beaumont, Texas; Texas Portland Cement Co., Second Natl. Bank Bldg.; Houston Structural Steel Co., iron and steel, both Houston; Delatte & LaGrange, Inc., Kaufman Bldg., gravel; Powell Lumber Co., Yale and Center Sts., lumber, both Lake Charles; Littell Sand Pit Co., LeBlanc, sand; Fertita Brothers, Viterbo Bldg., Leesville, building materials.*

Tenn., Knoxville—J. R. Williams, Holston Bank Bldg., erect fireproof brick theater and store building, 3904 McCalla Ave.; C. J. Murray, Archt.; J. T. Moyer, Contr., Fair-garden Race Track.

Va., Richmond—Neighborhood Theaters Corp., Leroy Goldberg, Pres., 2800 Monument Ave., let contract to Graham Construction Co., Mutual Bldg., for \$200,000, 50x130-ft. theater building on W. Broad St.; seating capacity 800, ventilating, heating and cooling systems; Carnel & Johnston, Archts., Virginia Rwy. & Power Bldg.*

Warehouses

Fla., Miami—Belcher Asphalt Paving Co., 1217 N. Bay Shore Drive, let contract to R. C. Witter for \$35,000, 2-story warehouse and office building; Charles P. Neider, Calumet Bldg., and E. E. Seiler, Archts.

Fla., Miami—R. S. McDonald, 27 S. W. North River Drive, erecting \$40,000, 2-story, reinforced concrete, 50x138-ft. warehouse, 367 N. W. Sixth St.; reinforced concrete floors and foundation, concrete roof, equipment and furnishings cost \$5000; O. M. Bristol, Archt., Contr., 2045 N. W. Sixth St.*

Fla., West Palm Beach—W. W. Coffey Co. started foundation for \$30,000 warehouse in Jefferson Terminal.

Md., Hancock—Harry F. Exline erecting brick warehouse in rear of hardware store.

N. C., Durham—Durham Fruit & Produce Co. erect \$37,000 brick and reinforced concrete building, Dillard and Ramseur Sts.; N. Underwood, Contr., First Natl. Bank Bldg.

Okla., Oklahoma City—Smiser Construction Co., 613 N. Hudson St., has permit for \$60,000 warehouse, 7 W. Sixth St.

Tex., Dallas—Practical Drawing Co., J. L. Long, Pres., 1911 Bryan St., let contract to W. G. Davis, 508 North Texas Bldg., for \$50,000, 1-story, 100x200-ft. brick and steel warehouse, Cockrell, Montgomery and Cotton Belt tracks.

If the Manufacturers Record is mentioned.

MACHINERY, PROPOSALS AND SUPPLIES WANTED

Airplanes.—East Coast Airways, Inc., E. G. Smith, Sec., Box 85, St. Augustine, Fla.—Wants prices on new and used airplanes and all supplies for same.

Alum.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 14 to furnish 40,000 lbs. alum; delivery Quantico, Va. Sch. 589.

Automobile Trailer.—A. E. Dickson, Box 193, Orlando, Fla.—Wants automobile trailer to carry 16-ft. 56-in. beam boat.

Bake Oven.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 14 for bake oven for U. S. V. Hospital, Perry Point, Md.

Band Resaw.—See Sawmill Machinery.

Bank and Office Furnishings, etc.—Chesbrough-Glover & Co., Inc., 2600 S. W. Eighth St., Coral Gables, Fla.—Wants prices on equipment, etc., for \$80,000 bank and office building.

Baskets (Laundry).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 13 for 100 laundry baskets of standard white cotton duck; approximate capacity 6 bu.

Boilers.—West Coast Brick Co., 124 Central Ave., Sarasota, Fla.—Wants two 150 h. p. return tubular boilers.

Braille Literature.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 19 for Braille literature.

Bridge.—Sebring, Fla. See Construction News—Bridges, Culverts, Vladucts.

Bridge.—Spartanburg, S. C. See Construction News—Bridges, Culverts, Vladucts.

Bridge.—Portsmouth, Va. See Construction News—Roads, Streets, Paving.

Bridge.—Windisor, N. C., will will build 5 bridges and 4 culverts. See Construction News—Roads, Streets, Paving.

Brushes (Hand Scrub).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 8 for 900 hand scrub brushes, unvarnished.

Cafeteria Equipment.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 15 for cafeteria equipment for the U. S. V. Hospital, Perry Point, Md.

Cars (Dump).—H. M. Pratt, 322 St. Charles Ave., Atlanta, Ga.—Wants 6 to 10 Western standard gauge 6-yd. 2-way dump cars.

Castings.—See Sewers.

Cast Stone.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on cast stone for bank and office building, San Benito, Tex.

Cast Stone.—S. E. Farnsworth & Co., Contrs., Fourth Ave. South, Franklin, Tenn.—Wants prices on cast stone for \$11,000 store.

Cast Stone.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Wants prices on cast stone for \$200,000 lodge building.

Cast Stone.—Morgan G. Thahant, 2725 Leonidas St., New Orleans, La.—Wants prices on cast stone for school, chapel and priest home in Jefferson Heights, Jefferson Parish.

Cast Stone.—Taylor & Gestrich, Room 14, 212½ Franklin St., Tampa, Fla.—Wants prices on cast stone.

Cast Stone.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on cast stone.

Church Furnishings, etc.—A. R. Briggs, R. F. D. No. 3, Box 122, Macon, Ga.—Wants prices on about \$2500 equipment, etc., for church.

Cinema Carbons.—Asiatic Electric Trading Co., Bunder Road, Karachi, India—Wants data and prices on cinema carbons, with view to representation.

Clay Products Plant.—Geo. N. Goodier, Dardanelle, Ark.—Wants to correspond with manufacturers of clay products; has tract of land with white, brown and light chocolate clay and wants to develop.

Clearing Machinery.—Central Florida Farms, Inc., 612 N. Michigan Ave., Chicago, Ill.—Wants machinery for clearing a 15,000-acre development in De Soto and Hardee Counties, Fla.

Celotex.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on Celotex for \$50,000 hospital.

Clothes Chute.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on aluminum clothes chute for \$50,000 hospital.

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Concrete Products Molds.—Seminole Packing Co., West Bay, Fla.—Wants concrete products post molds.

Courthouse Furnishings, etc.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on equipment, etc., \$5000 to \$10,000, for courthouse.

Derricks.—West Coast Brick Co., 124 Central Ave., Sarasota, Fla.—Wants derricks.

Desks.—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 11 for 10 nurse's desks; tubular frame, work finished in white enamel.

Dipping Vat.—Orange County Comr., Orange, Tex.—Receive bids May 10 to construct dipping vat; plans with County Clk.

Ditching Machinery.—Central Florida Farms, Inc., 612 N. Michigan Ave., Chicago, Ill.—Wants ditching machinery for development of 15,000 acres in Hardee and De Soto Counties.

Doors and Windows.—Seminole Plantation Co., West Bay, Fla.—Wants doors and windows for frame houses.

Drainage.—Comr. Public Works, Wilmington, N. C. J. E. L. Wade—Receives bids May 10 for furnishing, delivering and installing complete and back-filling pipe for drainage at municipal golf course; 445 ft. of 30 or 36 in. pipe, 270 ft. of 18-in. pipe, 145 ft. of 18 or 12 in. pipe; bids received on reinforced concrete pipe, double strength terra cotta and corrugated metal (best quality) pipe.

Dragline.—Southern Construction Engineers, Inc., Box 1448, Sarasota, Fla.—Wants dragline, steam power, 2 or 3 yd. bucket, 65-ft. boom or longer; Florida delivery.

Drill Press.—See Machine-Shop Equipment.

Drugs.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 7 for 300 bottles lithium carbonate, f. o. b. point of shipment.

Dumb Waiters.—Miller Construction Co., Inc., 633 Wilson Bldg., Dallas, Tex.—Wants prices on dumb waiters for \$40,000 apartment house for L. V. McDaniel.

Dumb Waiters.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on dumb waiters.

Edgers.—See Sawmill Machinery.

Electric Appliances and Materials.—Asiatic Electric Trading Co., Bunder Road, Karachi, India—Wants data and prices on armature wire, field coil wire (double and single cotton and silk covered), motor and fan accessories, motor and fan carbons, accumulators from 2 to 12 volts and 5 to 150 amp., current limiters; view to representation.

Electro Magnets.—W. M. Carter, Route 4, Greenwood, Miss.—Wants magnet to pick up nails, etc., off roads; correspond with manufacturers.

Electric Refrigerator.—J. F. Gandy, 1324 Avenue G, Ensley, Ala.—Wants prices on electric refrigerators for residence.

Electric Refrigerators.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on electric refrigerators.

Electric Refrigerators.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on electric refrigerators.

Electric Refrigerators.—Frank Rouss, Box 1175, Hollywood, Fla.—Wants prices on electric refrigerators for \$25,000 apartment house.

Electric Refrigerators.—Bell Construction Co., 3511 McKinney St., Houston, Tex.—Wants prices on electric refrigerator for dwelling.

Electric Refrigerators.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on electric refrigerators for \$50,000 hospital.

Electric Signs.—James W. Lyon, Box 1114, Struthers, Ohio—Wants to correspond with manufacturers of electric signs.

Electrical Supplies.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 11 to furnish electrical supplies; delivery Quantico, Va. Sch. 580.

Embankment.—Louisiana Highway Comr., W. E. Atkinson, Chrmn., Raymond Bldg., Baton Rouge, La.—Receives bids May 20 to complete roadway embankment on Fed. Aid. Proj. 43-D, unit No. 1, Vinton-Orange Highway, Calcasieu Parish, embankment 1857 ml. long, requiring about 450,000 cu. yds. earth borrow, of which 100,000 cu. yds. have been

placed; W. B. Robert, State Highway Engr.

Engine.—Taylor-Parker Co., Water and Commercial Place, Norfolk, Va.—Wants 16x-36 Cooper Corliss engine.

Engine.—West Coast Brick Co., 124 Central Ave., Sarasota, Fla.—Wants 150 to 200 h. p. engine.

Envelopes.—Post Office Dept., Purchasing Agent, Washington, D. C.—Receives bids May 10 to furnish envelopes for department and independent establishments of Government for period of 1 year, beginning July 1, 1926; Harry S. New, Postmaster General.

Electric Refrigerators.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on electric refrigerators for \$200,000 lodge building.

Fiber Board.—E. Cundiff, Altavista, Va.—Wants prices on fiber board made from wood or straw; correspond with manufacturers.

Filtration and Sterilization Equipment.—J. H. Kimball, Engr., City Hall, Cumberland, Md.—Wants prices on filtration and sterilization system for 300,000-gal. capacity swimming pool.

Fire Hose.—Board of Awards, F. A. Dolfeld, Register, City Hall, Baltimore.—Receives bids May 12 to furnish Fire Dept. with firehose.

Flooring (Terrazzo).—Sidney H. DeWolf, 501 Fourth St., S., St. Petersburg, Fla.—Wants prices on terrazzo flooring for dwellings.

Flooring.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on linoleum, rubber tile and composition flooring for \$100,000 courthouse.

Flooring.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on tile, terrazzo and hardwood flooring for \$200,000 lodge building.

Flooring.—B. G. Letzring, E-816 15th Ave., North, St. Petersburg, Fla.—Wants prices on concrete and composition flooring for \$18,000 shops and warehouse.

Flooring.—Taylor & Gestrich, Room 14, 212½ Franklin St., Tampa, Fla.—Want prices on tile, terrazzo and rubber tile flooring.

Flooring.—C. P. Taliroff, Loudon, Tenn.—Wants prices on concrete and hardwood flooring for 26½x48-ft. brick store building.

Flooring.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on tile and hardwood flooring.

Flooring.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on tile and hardwood flooring for bank and office building, San Benito, Tex.

Flooring.—Greater Florida Finance and Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on tile and hardwood flooring.

Flooring.—Morgan G. Trahan, 2725 Leonidas St., New Orleans, La.—Wants prices on concrete, hardwood, tile and rubber tile flooring for chapel, school and priest home in Jefferson Heights, Jefferson Parish.

Flooring (Composition).—City Manager, Alcoa, Tenn.—Wants prices on composition flooring for \$70,000 1-story school.

Flooring (Hardwood).—S. E. Farnsworth, Franklin, Tenn.—Wants prices on hardwood flooring for \$19,000 dwellings.

Flooring (Hardwood).—Anderson - Stiefel Construction Co., Aiken, S. C.—Wants prices on hardwood flooring for \$10,000 library.

Flooring (Hardwood).—S. E. Farnsworth & Co., Contrs., Fourth Ave. South, Franklin, Tenn.—Wants prices on hardwood flooring for \$11,000 store.

Footways.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Foundry Equipment.—H. D. Ailesman, National Highway, Cumberland, Md.—Wants prices on general line foundry equipment.

Generator.—Norton Mfg. Co., Mallory Branch P. O., Memphis, Tenn.—Wants standard make belted A. C. generator, 200 to 300 kw-a, with exciter, 220 or 440 volt, 3 phase, 60 cycle, slow speed; state condition, price and how long used.

Graders.—Central Florida Farms, Inc., 612 N. Michigan Ave., Chicago, Ill.—Wants graders for development of 15,000 acres in Hardee and De Soto Counties, Fla.

Gravel.—Convent, La. See Construction News—Roads, Streets, Paving.

Gravel.—Mississippi State Highway Dept., Jackson, Miss.—Receives bids May 8 for pit

run gravel and washed road gravel, f. o. b. pit; H. C. Dietzer, Highway Engr.

Gypsum Block.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on gypsum block for \$50,000 hospital.

Hardware.—See Lumber, etc.

Harrows.—See Road Equipment.

Hospital Furnishings, etc.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on equipment, etc., for \$50,000 hospital.

Hydraulic Ram.—Thos. R. Harrison, Route 4, Leesburg, Va.—Wants hydraulic rams suitable for forcing water from medium flow spring to country residence; correspond with manufacturers.

Incinerators.—Miller Construction Co., Inc., 633 Wilson Bldg., Dallas, Tex.—Wants prices on incinerators for \$40,000 apartment house for L. V. McDaniel.

Incinerator.—Bell Construction Co., 3511 McKinney St., Houston, Tex.—Wants prices on incinerator for dwelling.

Incinerator.—City of Fort Myers, Fla.—Receives bids May 21 for 50-ton capacity incinerator; E. N. Stanley, City Engr.

Incinerators.—City of Mobile, Ala., Board of Commrs.—Receives bids June 3 for construction of 2 incinerators, 50-ton capacity per 12 hours; Wright Smith, City Engr.; Geo. E. Crawford, Mayor.

Incinerators.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Wants prices on incinerators for \$200,000 lodge building.

Kitchen Equipment.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 14 for kitchen equipment for U. S. V. Hospital, Peery Point, Md.

Lamp Posts (Cast Iron).—Dist. Comms., Room 503, District Bldg., Washington, D. C.—Receives bids May 25 to furnish and deliver cast iron lamp posts and incidental fittings.

Landscape Plans.—J. M. Perry, Stafford Springs, Miss.—Will receive propositions on May 18 for landscaping, making plans, etc., for Stafford Springs property, preparatory to general work of architecture.

Lathe.—See Machine-Shop Equipment.

Laundry Equipment.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 12 for laundry equipment for U. S. V. Hospital, Palo Alto, Cal.

Levee.—Office of Third Mississippi River Dist., Box 404, Vicksburg, Miss.—Receives bids May 12 for 6,747,000 cu. yds. levee work in quantities varying from 20,000 to 1,250,000 cu. yds.

Letter Boxes, etc.—Purchasing Agent, Post Office Dept., Washington, D. C.—Receives bids May 12 to furnish letter boxes, combination package and letter boxes, storage boxes, etc.; Harry S. New, Postmaster General.

Lodge Furnishings, etc.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on equipment, etc., for \$200,000 Elks' lodge building.

Lumber, etc.—Tulsa Lumber Co., 30 N. Owase St., Tulsa, Okla.—Wants to correspond with manufacturers of sash and doors, lumber, paints, hardware, plaster, sheet rock, wall board, with view to representation in Tulsa and surrounding territory.

Machine-Shop Equipment.—Eugene Stevens, Mgr., Southern Dusting Co., Inc., Box 216, Tallulah, La.—Wants prices on machine-shop equipment for repair and rebuilding of airplanes, including small lathe, small drill press, oxy-acetylene welding outfit, small brake for sheet metal bending.

Marble.—Morgan G. Trahant, 2257 Leonidas St., New Orleans, La.—Wants prices on marble for school, chapel and priest home in Jefferson Heights, Jefferson Parish.

Marble.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on marble for \$50,000 hospital.

Marble.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on marble for \$200,000 lodge building.

Material Shed.—Board of Awards, F. A. Dolfield, Baltimore, Md.—Receives bids May 12 for material shed for the Fire Department repair shop, Key Highway and Webster St.; C. H. Osborne, Chief, Bureau of Bldgs.

Metal Ceilings.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on metal ceilings.

Metal Ceilings.—C. P. Talirofero, Loudon, Tenn.—Wants prices on metal ceilings for 20½x48-ft. brick store building.

Metal Ceilings.—S. E. Farnsworth & Co., Contr., Fourth Ave. South, Franklin, Tenn.

In writing to parties mentioned in this department it will be of advantage to all concerned

—Wants prices on metal ceilings for \$11,000 store building.

Metal Ceilings.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on metal ceilings.

Metal Ceilings and Doors.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on metal ceilings and doors for \$50,000 hospital.

Metal Doors.—W. G. Butler, Inc., Shreveport, La.—Wants prices on metal doors for \$30,000 church.

Metal Doors.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jackson, Tenn.—Want prices on metal doors for \$100,000 courthouse.

Metal Fire Doors.—Lillie Mill Co., Franklin, Tenn.—Wants metal fire doors for flour and meal mill.

Metal Working Equipment.—See Ornamental Iron Working Tools.

Millwork.—See Lumber, etc.

Miscellaneous Supplies.—Marine Corp., Quartermaster's Dept., Washington, D. C.—Receives bids May 13 to furnish miscellaneous supplies; delivery Quantico, Va. Sch. 588.

Miscellaneous Supplies.—Panama Canal, A. L. Flint, Purchasing Officer, Washington, D. C.—Receives bids May 14 to furnish monel metal, drill rods, steel tubing, boat nails, rollers and hangers (for box cars), ladders, tackle blocks, car-seat webbing, culture dishes, calcamine, fish oil, red paint, dry vermillion, white lead, etc. Blank forms and information (Circular 2411) on application to offices of Panama Canal; Asst. Purchasing Agents at Fort Mason, San Francisco, Cal.

Motors.—Lillie Mill Co., Franklin, Tenn.—Wants motors for flour and meal mill.

Oil (Road).—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 14 to furnish 3000 gal. road oil; delivery Quantico, Va. Sch. 590.

Oil Stoves.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 12 to furnish 10 oil stoves and 10 bake ovens; delivery Quantico, Va. Sch. 584.

Ornamental Brass Plates.—Wright, Dinn & Allison, Corpus Christi, Tex.—Wants ornamental brass plates with raised letters on them.

Ornamental Iron Working Tools.—Arkansas Foundry Co., J. J. Schmelzer, Purchasing Agent, Little Rock, Ark.—Wants either new or second-hand equipment for small ornamental iron and wire guard shop.

Padlocks, etc.—Albert O. Smedsrud, 602 Grove St., Decorah, Iowa—Wants solid and heavy trunk locks, padlocks, etc.; correspond with manufacturers.

Paint.—Samuel McGowan, Chf. Highway Commr., Columbia, S. C.—Wants 500 gal. ready-mixed white traffic zone paint in 5-gal. containers.

Paints.—See Lumber, etc.

Paper (Bottling and Wrapping).—U. S. Veterans Bureau, Supply Division, Washington, D. C.—Receives bids May 28 for 30,000 lbs. blotting paper, 35,000 lbs. wrapping paper.

Paving.—Sweetwater, Tex. See Construction News—Roads, Streets, Paving.

Paving.—Eufaula, Ala. See Construction News—Roads, Streets, Paving.

Paving.—See Sewers.

Pipe (Black Steel).—Mt. Airy Veneer Co., Mt. Airy, N. C.—Wants prices on 1-in. black steel pipe and fittings.

Pipe (Machine-Made Concrete).—See Sewers.

Pipe (Monolithic Concrete).—See Sewers.

Pipe (Precast Concrete).—See Sewers.

Pipe (Vitrified Clay).—See Sewers.

Pipe (Vitrified Segment Block).—See Sewers.

Pipe (Vitrified).—See Sewers.

Pipe (Concrete).—See Sewers.

Pipe (Corrugated Metal).—See Drainage.

Pipe (Reinforced Concrete).—See Drainage.

Pipe (Terra Cotta).—See Drainage.

Pipe (Water).—Merrill B. Parker, 1912 Oak St., Chattanooga, Tenn.—Wants small carload of good 10-in. class B second-hand B. and S. water pipe.

Plaster.—See Lumber, etc.

Plaster Board.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on plaster board.

Playground Equipment.—Blackwell American Legion, Blackwell, Okla.—Want prices and data on playground equipment.

Plows.—See Road Equipment.

Portland Cement, etc.—John W. Polk, McCracken County Court, Paducah, Ky.—Receiving bids for Portland cement and reinforcing steel in various sizes for remainder of year 1926.

Presses (Wine).—Alex M. Robinson (Mchly. Dealer), Georgetown, Ky.—Wants dealers' prices on new and used power presses, complete, for wine-making; state condition, specifications, prices crated for export and f. o. b. cars.

Pump (Water).—Green River Manufacturer, Tuxedo, N. C.—Wants prices on centrifugal water pump, 5-in. suction, 4-in. discharge; belt or motor drive; give full specifications.

Pumping Station.—Town of Orange, Va. Dr. Frank B. Berry, Mayor—Receives bids May 17 for furnishing all machinery, equipment, materials and labor for construction of certain improvements at pumping station, including electric-driven pumping unit, comprising low-service and high-service pump, together with all foundations, piping, wiring and connections, new suction main and various improvements to building; the Ambler Engineering Co., Engrs., Travelers Bldg., Richmond, Va.

Reclaiming Compound.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 11 to furnish 2400 lbs. reclaiming compound; delivery Quantico, Va. Sch. 593.

Reinforcing Steel.—Seminole Plantation Co., West Bay, Fla.—Wants reinforcing steel rods.

Road.—Convent, La. See Construction News—Roads, Streets, Paving.

Road.—Eastland, Tex., will build 2 roads. See Construction News—Roads, Streets, Paving.

Road.—Mt. Vernon, Ky. See construction News—Roads, Streets, Paving.

Road.—Windsor, N. C., will build 3 roads. See Construction News—Roads, Streets, Paving.

Road.—Towson, Md., will improve 4 roads. See Construction News—Roads, Streets, Paving.

Road.—Jasper, Ala. See Construction News—Roads, Streets, Paving.

Road.—Georgetown, Tex. See Construction News—Roads, Streets, Paving.

Road.—Groveton, Tex., See Construction News—Roads, Streets, Paving.

Road.—State of Maryland will build 7 roads. See Construction News—Roads, Streets, Paving.

Road.—Philadelphia, Miss. See Construction News—Roads, Streets, Paving.

Road Equipment.—Mississippi State Highway Dept., Jackson, Miss.—Receives bids May 8 for one carload grader blades, assorted sizes, and one carload patrol graders; f. o. b. Jackson; one Fordson tractor, f. o. b. Newton; H. C. Dietzer, State Highway Eng'r.

Road Equipment.—Samuel McGowan, Ch. Highway Commr., Columbia, S. C.—Wants prices on 2 all-metal road plows with extra points, similar to the Western No. 15 or Hassell No. 5 or No. 9; two double disc harrows, 18-in., similar to the Clarke tractor harrow; 2 Fresno scrapers, No. 2, with double or reinforced bottoms.

Rolling Partitions.—Bell Construction Co., 3511 McKinney St., Houston, Tex.—Wants prices on rolling partitions.

Rowboat Engine.—Asiatic Electric Trading Co., Bunder Road, Karachi, India—Wants data and prices on detachable rowboat motors, with view to representation.

Sander.—Battey Machinery Co., Rome, Ga.—Wants one rebuilt 8-in. belt sander.

Sanitarium Furnishings, etc.—Dr. S. F. Martin, Pres., Minden Sanitarium Co., Minden, La.—Wants prices on equipment, etc., \$7000, for sanitarium.

Saw (Trim).—Battey Machinery Co., Rome, Ga.—Wants one rebuilt No. 107 Beach trim saw or similar machine.

Sawmill Machinery.—J. M. Griffin Lumber Co., Holopaw, Fla.—Wants complete sawmill machinery for double circular mill with 8-ft. band resaw, two edgers, slashers and trimmers.

Scales.—Lillie Mill Co., Franklin, Tenn.—Wants 2000 bu. scale for flour and meal mill.

Scrapers.—See Road Equipment.

Separator.—Lillie Mill Co., Franklin, Tenn.—Wants receiving separator for flour and meal mill.

Sewers.—City of Augusta, Ga., H. W. Wise, City Engr.—Receives bids May 10 for laying

if the Manufacturers Record is mentioned.

terra cotta sewers on various streets; J. W. Westmoreland, Clk.

Sewers.—Town of Plaquemine, La., Fritz Wilbert, Mayor.—Receives bids May 25 for building storm sewers; 950 ft. of 6-in., 1240 ft. of 8-in., 3765 ft. of 12-in., 2275 ft. of 15-in., 770 ft. of 18-in., 2533 ft. of 21-in., 720 ft. of 24-in., 280 ft. of 33-in., 280 ft. of 36-in., 2380 ft. of 42-in., 360 ft. of 48-in., 850 ft. of 60-in., 830 ft. of 72-in. sewer pipe, with branches, tees, etc.; bids on vitrified clay, vitrified segment block, machine-made concrete, precast concrete and monolithic concrete pipe in adaptable sizes; trenching, laying and back filling, manholes and catch basins; Swanson-McGraw, Inc., Consol. Enrs., Balter Bldg., New Orleans.

Sewers.—City of Miami, Fla., H. E. Ross, Clk.—Receives bids May 7 for storm sewers in Sewer Improvements District 192, including concrete and vitrified sewer, 40 standard manholes complete, 2 standard manholes (rebuilding), F-5 inlets complete, 114 F-3 inlets complete, 16 type D inlets (castings to be furnished), 621 ft. of 15-in. inlet connections, 2464 ft. of 12-in. inlet connections, 76 ft. of 8-in. east iron storm laterals, removing manhole castings and filling manholes, removing inlet castings and plugging inlet connections, filling inlet and replacing curbs and gutters, restoring 4277 sq. yds. asphalt paving, restoring 97 sq. yds. macadam paving, 924 ft. of curb and gutters, 26 sq. yds. sidewalk, 6 cu. yds. extra concrete, timber in foundations, 1000 f. b. m., sheeting 1000 f. b. m., 500 ft. of piling.

Sewers.—City of Salisbury, Md., Charles E. Harper, Chrm. Water and Sewer Coms.—Receives bids May 20 for sanitary sewers. Contract No. 18; Francis H. Dryden, Ch. Engr.

Sewers.—City of Baltimore, Md., Milton J. Ruark, Sewerage Engr.—Receives bids May 12 for sewers and drains in Sewer District H-1, Sanitary Contract No. 235: 200 ft. of 33-in., 460 ft. of 27-in., 210 ft. of 24-in. reinforced concrete pipe drain, 190 ft. of 21-in. vitrified pipe drain, 106 ft. of 15-in. and 18-in. vitrified pipe drain, 3700 ft. of 8-in. vitrified pipe sewer, 175 ft. of standard manholes; B. L. Crozier, Ch. Engr.

Sewers.—Town of Meigs, Ga., T. Tipson, Mayor.—Receives bids May 14 for 995 ft. of 15-in., 1030 ft. of 18-in., 50 ft. of 24-in. storm sewers, 9 manholes, 19 storm inlets, 100 ft. of 15-in. storm-sewer laterals, 2 cu. yds. Class B concrete; J. B. McCrary Engineering Corp., Engrs., Atlanta.

Sewers.—Town of Sansom, Ala., G. D. King, Clk.—Receives bids May 17 for construction of sanitary sewerage system; R. L. Williamson, Consol. Engr., Dothan.

Sewers.—City of Richmond, Va., R. Keith Compton, Director of Public Works—Receives bids May 10 for construction of combined sanitary and storm sewers in various locations: terra cotta pipe, segment block, precast reinforced concrete pipe and concrete sections poured in place; city to furnish cement, terra cotta pipe, segment block, precast concrete pipe, brick and castings; cost \$400,000.

Sewers.—City of Jacksonville, Fla., Frank H. Owens, Chrm.—Receives bids May 12 for furnishing all material and constructing sanitary sewers: 1600 ft. of 18-in. r. e. pipe, 500 ft. 15-in. r. e. pipe, 1580 ft. of 18-in. r. e. sanitary sewer, 460 ft. of 15-in. r. e. c. sanitary sewer, 3 standard sanitary sewer manholes; state prices f. o. b. Jacksonville.

Sewers.—City of Galveston, Tex., E. M. Owens, Commr. Streets and Public Property—Receives bids May 6 for construction of reinforced concrete drain and appurtenances on 24th St. from new concrete bulkhead of Galveston Wharf Co. to south property line of Avenue J, including drain, east iron manhole covers and rims, east iron catch basin gratings, vitrified pipe, concrete catch basins, 1000 sq. yd. 1-in. cold limestone rock asphalt.

Sewers.—City of Murfreesboro, Tenn., R. E. Lowe, Mgr.—Receives bids May 20 for complete sewer system: 76,200 ft. 8-in., 4470 ft. of 10-in., 5070 ft. 12-in., 3260 ft. 15-in., 5240 ft. 18-in., 9750 ft. 21-in. sewers; 19,000 ft. 86-in. house branches, 314 manholes and flush tanks, 10,100 cu. yds. rock excavation, concrete disposal plant; B. H. Klyce, Engr., 506 Fourth and First Natl. Bank Bldg., Nashville.

Sewers.—City of Norcross, Ga., B. F. Summerour, Chrm. Water Board—Receives bids May 11 for 11,000 ft. of 8-in. sanitary sewers, 2 septic tanks; Robert & Co., Inc., Archts. and Engrs., Bona Allen Bldg., Atlanta.

Sidewalk Paving.—Monticello, Fla. See Construction News—Roads, Streets, Paving.

Steel.—Spartanburg County Highway Com., Spartanburg, S. C.—Receives bids May 25 for

fabricated steel for North Pacolet River Bridge, f. o. b. Campobello, S. C.

Steel (Reinforcing).—See Portland Cement, etc.

Steel Sash and Trim.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on steel sash and trim.

Steel Sash and Trim.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on steel sash and trim for bank and office building, San Benito, Tex.

Steel Sash and Trim.—S'dney H. DeWolf, 801 Fourth St., S., St. Petersburg, Fla.—Wants prices on steel sash and trim for dwellings.

Steel Sash and Trim.—C. P. Taliroffo, Loudon, Tenn.—Wants prices for 26½x48-ft. brick store building.

Steel Sash and Trim.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on steel sash and trim for \$100,000 courthouse.

Steel Sash and Trim.—W. G. Butler, Inc., Shreveport, La.—Wants prices on steel sash and trim for \$30,000 church.

Steel Sash and Trim.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on steel sash and trim for \$50,000 hospital.

Street.—Plaquemine, La. See Construction News—Roads, Streets, Paving.

Street.—St. Louis, Mo. See Construction News—Roads, Streets, Paving.

Street.—Fruitland Park, Fla. See Construction News—Roads, Streets, Paving.

Street.—Meigs, Ga. See Construction News—Roads, Streets, Paving.

Street.—Baltimore, Md. See Construction News—Roads, Streets, Paving.

Street Lights.—Walter H. Taylor 3d, Director of Public Works, Norfolk, Va.—Receives bids May 12 to furnish and erect 8 standard lights on Tazewell St.; B. Gray Tunstall, City Treas.

Sugar Shakers.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 10 for 1200 glass sugar shakers, nickel-plated top; the Stearnes Co.'s No. 4B or equal.

Surgical Dressing Carriages.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 15 for 3 surgical dressing carriages; the Kny-Scheerer Corp.'s Cat. No. 2137-40 or equal.

Switchboard.—Norton Mfg. Co., Mallory Branch P. O., Memphis, Tenn.—Wants switchboard, switches and instruments.

Tables (Dining).—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 18 for 35 round dining tables, fumed oak finish; Stickley No. 2.

Tank (Water Storage).—Green River Manufacturing Co., Tuxedo, N. C.—Wants large cylindrical wood tank for water storage; state condition, location, price f. o. b. cars.

Tank and Tower.—City of Edenton, N. C., J. L. Wiggins, Mayor.—Receives bids May 26 for construction and erection of 250,000-gal. tank and steel tower, 100 ft. to overflow line and alternate 125 ft. to overflow line; J. A. Woodward, Chrmn. Electric and Water Dept.

Tank and Tower.—Town Comms., Mt. Gilead, N. C.—Receives bids May 17 to furnish material and erect steel water tank of 100,000-gal. capacity on 100-ft. tower; R. E. Hamlett, Mayor; L. V. Edwards, Engr., 207 Sunnyside St., Winston-Salem, N. C.

Terra Cotta Trim.—Miller Construction Co., Inc., 633 Wilson Bldg., Dallas, Tex.—Wants prices on terra cotta trim for \$40,000 apartment house for L. V. McDaniel.

Terra Cotta Trim.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on terra cotta trim for \$100,000 courthouse.

Terra Cotta Trim.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Wants prices on terra cotta trim for \$200,000 lodge building.

Terra Cotta Trim.—Taylor & Gestrich, Room 14, 212½ Franklin St., Tampa, Fla.—Want prices on terra cotta trim.

Terra Cotta Trim.—Morgan G. Trahant, 2725 Leonidas St., New Orleans, La.—Wants prices on terra cotta trim for school, chapel and priest home in Jefferson Heights, Jefferson Parish.

Terra Cotta Trim.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on terra cotta trim.

Terrazzo Flooring.—Miller Construction Co., Inc., 633 Wilson Bldg., Dallas, Tex.

—Wants prices on terrazzo flooring for \$40,000 apartment house for L. V. McDaniel.

Textiles, etc.—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Receives bids May 12 for clothing and textiles for Dept. of Education; John H. Roche, Sec., Board of School Comms.

Tile.—Leon E. Martiny, 5659 Rosemary Place, New Orleans, La.—Wants prices on hollow and interior tile for bungalow.

Tile.—R. S. Funchess, Osyka, Miss.—Wants prices on hollow tile for \$9000 school addition.

Tile.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on hollow and interior tile for \$200,000 lodge building.

Tile.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on hollow and interior tile.

Tile.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on hollow and interior tile for \$50,000 hospital.

Tile.—Morgan G. Trahant, 2725 Leonidas St., New Orleans, La.—Wants prices on hollow, interior and floor tile for chapel, school and priest home in Jefferson Heights, Jefferson Parish.

Tile.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on hollow and interior tile for bank and office building, San Benito, Tex.

Tire Repair Material.—Marine Corps, Quartermaster's Dept., Washington, D. C.—Receives bids May 12 to furnish tire repair material; delivery Quantico, Va. Sch. 586.

Tractors.—Central Florida Farms, Inc., 612 N. Michigan Ave., Chicago, Ill.—Wants tractors for development of 15,000 acres in Hardee and De Soto Counties, Fla.

Trimmers.—See Sawmill Machinery.

Underground Cable.—Board of Awards, F. A. Dolfeld, City Register, Baltimore, Md.—Receives bids May 12 to furnish Fire Dept. with underground cable.

Vaults.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on vaults for \$100,000 courthouse.

Vaults.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on vaults for \$200,000 lodge building.

Veneer Pins.—Mt. Airy Veneer Co., Mt. Airy, N. C.—Wants prices on veneer pins or looks for hanging veneer.

Ventilators.—Morgan G. Trahant, 2725 Leonidas St., New Orleans, La.—Wants prices on ventilators for chapel, school and priest home in Jefferson Heights, Jefferson Parish.

Ventilators.—Greater Florida Finance & Building Corp., 26 Lords Arcade, Sarasota, Fla.—Wants prices on ventilators.

Ventilators.—Baumann & Baumann, 813½ Market St., Knoxville, Tenn.—Want prices on ventilators for \$200,000 lodge building.

Ventilators.—Miller Construction Co., Inc., 633 Wilson Bldg., Dallas, Tex.—Wants prices on ventilators for \$40,000 apartment house for L. V. McDaniel.

Ventilators.—S. E. Farnsworth & Co., Contr., Fourth Ave., South, Franklin, Tenn.—Wants prices on ventilators for \$11,000 store.

Ventilators.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on ventilators.

Ventilators.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on ventilators for bank and office building, San Benito, Tex.

Waste Receptacles.—U. S. Veterans' Bureau, Supply Division, Washington, D. C.—Receives bids May 15 for 12 waste receptacles, self-closing, steel, equipped with one burlap bag; Solar-Sturges Mfg. Co.'s "Solar" No. 50 or equal.

Water Mains.—City of Norcross, Ga., B. F. Summerour, Chrm. Water Board—Receives bids May 11 for 18,500 ft. of 8-in., 6-in., 2-in. and 1-in. water mains; Robert & Co., Inc., Archts. and Engrs., Bona Allen Bldg., Atlanta.

Water Works.—City of Baltimore, Md., V. Bernard Siems, Water Engr.—Receives bids May 12 for excavating trenches and laying water mains in York Rd.

Welding Outfit.—See Machine-Shop Equipment.

Wire Glass.—Dr. J. M. Mosely, Supt., Shreveport Charity Hospital, Shreveport, La.—Wants prices on wire glass for \$50,000 hospital.

Wire Glass.—S. E. Farnsworth & Co.,

In writing to parties mentioned in this department it will be of advantage to all concerned

if the Manufacturers Record is mentioned.

Contrs., Fourth Ave. South, Franklin, Tenn.—Wants prices on wire glass for \$11,000 store.

Wire Glass.—Wm. Allen, Campbell County Judge, or Winston Baird, both Jacksboro, Tenn.—Want prices on wire glass for \$100,000 courthouse.

Wire Glass.—W. A. Stanton, Archt., 308 First Natl. Bank Bldg., Vicksburg, Miss.—Wants prices on wire glass.

INDUSTRIAL NEWS OF INTEREST

Items of news about industrial, railroad or financial interests, building operations, construction work, municipal improvements, or the sale of machinery or the letting of contracts in the South or Southwest, are invited from our readers whether they are advertisers, or subscribers, or not. We invite information of this character from readers in the North and West about their Southern business operations, as well as from Southern readers. News of value will be published just as readily when from non-advertisers as from advertisers.

Mandt Company Reorganized.

The Mandt Construction Equipment Corporation is the new name of the well-known company located at Keokuk, Iowa. About March 1 a reorganization was effected which, without changing the official personnel, strengthened the company and put it in splendid position to manufacture and market vigorously their line of dump bodies, cranes, trailers, crawlers, loaders and shovels. The corporation is represented in the South by Benj. T. Crump & Co., Inc., Richmond, Va., and J. C. Benjamin, Raleigh, N. C.

Progress of S. S. Kresge Company.

The 1926 edition of the Kresge analysis published by Merrill, Lynch & Co., 120 Broadway, New York, is now ready for distribution, according to a formal announcement which appears over their name elsewhere in this issue. At the end of 1925 there were 304 of the Kresge stores throughout the country and 12 more of them have been opened since January 1, 1926. It is proposed to open 38 more stores during the rest of this year. Further particulars concerning the S. S. Kresge Company will be found in the advertisement. The firm will send copies of the analysis if requested.

Galion Iron Works' Office at Orlando, Fla.

The Galion Iron Works & Mfg. Co. of Florida has been incorporated, with officers as follows: President, D. C. Boyd of Galion, Ohio; vice-president and manager, D. B. Findley of Orlando, Fla.; secretary and treasurer, F. W. Faber of Galion, Ohio. The company has warehouse and office at 100 W. Amelia avenue, at Orlando, and has recently let contract to Howard G. Lindsay of that place to build an additional warehouse on Virginia drive. The company maintains a service organization and a stock of repair parts at Orlando. The works and main office of the Galion Iron Works & Mfg. Co. are at Galion, Ohio.

General Electric No-Par Stock.

The directors of the General Electric Company, at a meeting on April 23, approved and recommended a plan to change the present 1,850,000 shares of authorized common stock of a par value of \$100 each into 7,400,000 shares of common stock without par value. The stockholders will vote on the proposition at the annual meeting in Schenectady, N. Y., on May 11, a two-thirds affirmative vote of the stockholders being necessary for authorization. Stockholders will receive four shares of the no-par stock for each share of their present holdings, and it is proposed to pay on July 15 a quarterly dividend of 75 cents per share in cash on the new common stock and an annual dividend of \$1 per share in special 6 per cent stock of the company, the latter instead of the stock dividend paid in October for the last four years.

In writing to parties mentioned in this department it will be of advantage to all concerned if the Manufacturers Record is mentioned.

Wire Glass.—Harvey P. Smith, Natl. Bank of Commerce Bldg., San Antonio, Tex.—Wants prices on wire glass for bank and office building, San Benito, Tex.

Woodworking Machinery.—Ramsey Furniture Co., Inc., Bassett, Va.—Will purchase during May equipment for \$125,000 furniture plant.

Worthington Marine Diesel Engine's Success.

Keen interest has been aroused among marine engineers by the results of the test of the two four-cylinder double-acting two-cycle Diesel engines designed and built by the Worthington Pump & Machinery Corporation for the United States Shipping Board. The trials took place at the Buffalo works of the corporation under the supervision of Shipping Board engineers. The engines were operated thirty days continuously at full load and at their rated speed, this load being 2900 horsepower and speed 25 revolutions per minute. This thirty-day test began February 2 and ended on March 4 and included in addition twenty-four hours given to overload and partial loads tests, etc., without halt or adjustments. It is stated that the engine ran steadily all the time without any adjustments and was free from vibration and laboring. Complete combustion was indicated and in smoothness of running it is remarked that the engine resembles a double-acting steam engine rather than the conventional Diesel engine. The maneuvering tests were just as successful as the others. The fuel oil used was a heavy asphaltum base of about 20 degrees Baume, as specified by the United States Navy for use under steam boilers. The engine was found to be in excellent condition after the test, the liners being free of scoring, etc.

Ryerson Acquires Another Plant.

Joseph T. Ryerson & Son, Inc., have taken over the reinforcing bar division of the Penn Metal Company of Boston. They will immediately add to the sizes and tonnage carried. The facilities will also be increased and many features added in accordance with the standards of Ryerson steel service. General sales offices have been opened at 677 Concord avenue, Cambridge. A complete staff of engineers and draftsmen will estimate and quote on the steel reinforcing requirements of all types of construction. For many years the Ryerson Company have also served the steel-consuming interests of the East through their plants at Jersey City, N. J., and at Buffalo, N. Y. Other territories are reached from their plants in Chicago, Detroit, St. Louis and Cincinnati.

Important Paving Work at Miami.

"If the Heltzel steel curb and gutter forms recently shipped the Highway Construction Company of Cleveland, Ohio, for their work in Miami, Fla., were laid end to end they would extend over a mile and a half," says B. M. Clark, assistant sales manager of the Heltzel Steel Form & Iron Company, Warren, Ohio. These forms are the same design as are now being used by Morgan-Hill Paving Company of Birmingham, Ala., on Bay Shore Drive, Miami, and will be used on a \$2,000,000 job recently awarded the Highway Construction Company. The Heltzel Company report unprecedented demand for all types of forms. Compared with previous seasons sales during the last half year show an increase of over 100 per cent, with the factory operating 24 hours a day.

Convention of Stationary Engineers.

The National Association of Stationary Engineers are to hold their forty-fourth annual convention this year on the Steel Pier, Atlantic City, N. J., from September 13 to September 17, inclusive. The association has a membership of 20,000 active operating engineers and there will, it is expected, be from 500 to 600 delegates in attendance at the convention. At the same time the National Exhibitors Association will hold a mechanical exhibition.

Data About Richmond for Manufacturers.

To develop Richmond, Va., as a whole industrially, but devoting particular attention to the South Side, where many of the city's leading industries are now located, the firm of A. L. Adamson has recently established a strictly industrial department under the management of F. M. Runnels, for several years an active Chamber of Commerce secretary in Southern cities. This department has made a comprehensive survey of Richmond and can now furnish without charge to manufacturers most reliable data, so that those seeking new locations may judge whether Richmond offers them what they desire. A. L. Adamson, head of the firm, is himself very largely interested in Richmond manufacturing plants; he is president of the Mechanics and Merchants Bank and is also concerned in other business enterprises.

Two More Hotels South.

The Hockenberry System, Inc., Harrisburg, Pa., report two new hotel projects in the South. One of these is a community hotel at Apopka, Fla., costing \$114,000, which was oversubscribed by citizens—\$127,200 being raised—and the other is a hotel at Orangeburg, S. C., to cost \$200,000, for which subscriptions amounting to \$233,200 were made. Hockenberry representatives made survey and directed stock sales in each instance. At Apopka the Chamber of Commerce pushed the plan, and at Orangeburg the Young Men's Business League, the Rotary and Lions clubs were the prime movers.

York Ice and Refrigerating Sales.

The York Manufacturing Company, York, Pa., report that between March 31 and April 24 they made 314 sales and installations of their ice-making and refrigerating machinery throughout the country, including 84 in the South at different places as follows: Sulphur Springs, Fla.; Petersburg, Va.; Cape Girardeau, Mo.; Cochran, Ga.; Tulsa, Okla.; Columbia, S. C.; Estill, S. C.; Richmond, Va.; Ponca City, Okla.; Suffolk, Va.; Sealy, Tex.; Natchez, Miss.; El Dorado, Ark.; Roanoke, Va.; Hollis, Okla.; Monroe, La.; St. Louis, Mo.; Booneville, Ark.; Van Buren, Ark.; Clarksburg, Ark.; Abingdon, Va.; Dublin, Tex.; Galveston, Tex.; Baltimore, Md.; San Angelo, Tex.; Lufkin, Tex.; Henrietta, Tex.; Victoria, Tex.; Troup, Tex.; Parkersburg, W. Va.; Tunnelton, W. Va.; Paducah, Ky.; Huntington, W. Va.; Princess Anne, Md.; Bunnell, Fla.; Bradenton, Fla.; Willow Springs, Mo.; Demopolis, Ala.; Clarence, Mo.; Washington, D. C.; Charlottesville, Va.; Fairfax, Okla.; Newkirk, Okla.; Ada, Okla.; Clearwater, Fla.; Charlotte, N. C.; Keyser, W. Va.; Bristol, Va.; Harlan, Ky.; Nashville, Tenn.; Lakeland, Fla.; Winter Haven, Fla.; Jacksonville, Fla.; Atlanta, Ga.; Americus, Ga.; Mission, Tex.; Collinsville, Ala.; Ardmore, Okla.; Buffalo, Okla.; Corinth, Miss.; Manning, S. C.; Lake City, S. C.; Norfolk, Va.; Russellville, Ark.; Wescaco, Tex.; Dallas, Tex.; Curtis Bay, Md.; Chincoteague, Va.; Sarasota, Fla.; Ridgely, Tenn.; Smackover, Ark.; Aberdeen, N. C.; Kennett, Mo.; Picher, Okla.; Cotulla, Tex.; McGehee, Ark. At several of these points two or more sales were made.

Southern Manager and Representative.

The Duff Manufacturing Company, Pittsburgh, Pa., manufacturers of Duff high-speed and governor-controlled jacks, as well as of the genuine Barrett track jacks, have appointed Albert Roberts to be district manager in Southern territory, with offices in the Candler Building, Atlanta, Ga. He was formerly with the Grip Nut Company of Chicago, Ill., as sales and service engineer in the South. George E. Watts has also been appointed by the Duff organization as special representative in the Southern district, with offices likewise in the Candler Building.

New Type Garage to Be Built.

It is believed that the automobile parking problem is solved for Troy, N. Y., through raising of \$188,300 in stock subscriptions by local citizens to build in the heart of the city a modern, fireproof, four-story ramp community garage of special construction. The garage will be of the d'Humy ramp type, the patented idea being that of "staggered stories"; that is, erecting the building in two connected units, the level of the floors in one unit being substantially midway between the level of the floors in the other unit, so that the incline is short and but half a story in height. Automobiles can enter or leave at the rate of 20 to 30 per minute. The amount was raised by a program, directed by the Hockenberry System, Inc., of Harrisburg, Pa., who also financed the 123-room community hotel at Troy, the Hendrik Hudson, now nearly completed.

Production of Molybdenum in 1925.

Although the United States has thousands of molybdenum deposits, ranging in size from those which produce only a few flakes of molybdenite, to those in which there are millions of tons of ore, only two molybdenum mines were operated during 1925, according to the Bureau of Mines. The market has not yet grown sufficiently large to warrant the operation of other mines. The two which operated are well equipped and are owned by companies which make their own molybdenum compounds to be sold to the steel trade. In Colorado the Climax Molybdenum Co. operated throughout the year at Climax. In New Mexico, the Molybdenum Corporation of America operated its mine in Sulphur Gulch. Together the companies produced 97,665 tons of ore, from which was made 864 short tons of concentrates carrying 72.7 to 85 per cent molybdenum sulphide equivalent to 1,154,065 pounds of molybdenum (metal). A few tons of molybdenite are used each year for making chemicals, and a few thousand pounds of molybdenum is used in the electrical industry, but the bulk of the production is used in machine steels.

To Erect \$400,000 Hotel at Abilene.

Abilene, Texas.—Plans of the Abilene Hotel Co. to erect a \$400,000 hotel here have received the endorsement of the Chamber of Commerce, which has sold \$100,000 of preferred stock in the enterprise. The hotel will be not less than nine stories and will contain at least 150 guest rooms. It will be modern in design and equipment. W. R. Keeble is president of the Chamber of Commerce and T. N. Carswell secretary.

May Vote on \$1,000,000 Bond Issue.

Haines City, Fla.—It is expected that the city commission of Haines City will soon call an election on bond issues to aggregate more than \$1,000,000 for various improvements. A paving program to cost \$1,000,000 is contemplated, extension of sewer facilities to cost \$125,000, and a new city hall to cost \$75,000.

Bids for Hotel at Perry, Fla.

Perry, Fla.—Bids will be opened about May 21 for the erection of the proposed hotel here for the Perry Hotel Co. The building will be 121 by 90 feet, three stories, of steel frame construction, with reinforced concrete foundation and tar and gravel roof. Frank Winn of Tampa is the architect.

\$2,000,000 Insurance Company Organizes at Miami.

Miami, Fla.—A charter has been granted the Atlantic Insurance Co. of this city, which has organized with a capital stock of \$1,000,000 and surplus of \$1,000,000. Officers of the company include George C. Stembler, president, and S. M. Tatum and J. E. Schilling, vice-presidents. Charter rights will permit it to write all classes of indemnity and surety contracts. It is said, with the exception of life insurance. It is expected to be ready for operation within 60 days. Shutts & Bowen are the general counsel of the company.

Production of Magnesium Salts in 1925.

The production of magnesium salts from natural sources in 1925 in the United States was 85,158,000 pounds, valued at \$1,253,110, according to the Bureau of Mines.

Five companies produced 62,227,000 pounds of magnesium chloride, valued at \$911,440, from bitters. Of this quantity 59,788,000 pounds was solid chloride, which sold at \$0.0148 a pound, and 2,439,000 pounds was in liquid form from 23° to 36° Baumé, which sold at \$0.0109 a pound.

Four companies produced magnesium sulphate to the amount of 22,931,000 pounds, which sold for \$0.0149 a pound. About 90 per cent of the sulphate was made from salt works bitters and the balance from natural magnesium sulphate.

The city of Austin, Texas, W. D. Yett, mayor, will vote May 11 on a bond issue of \$150,000 for completing school buildings left unfinished from a former bond issue of \$500,000.

FINANCIAL NEWS

Bond Issues Proposed

Ala., Mobile—Road—Mobile County Board of Revenue and Road Comms. receives bids May 10 for \$200,000 5% bonds.

Ala., Tuscaloosa—Water Works—City Comms., D. B. Robertson, Pres., receives bids May 11 for \$25,000 5% \$1000 denom. bonds.

Fla., Alachua—School—City plans \$50,000 bond election. Address President Board of Trustees.

Fla., Boca Raton—Improvement—Town, Geo. S. Akins, Clk., receives bids May 19 for \$500,000 6% bonds; J. G. Brown, Mayor.*

Fla., Bonifay—Sewer—City Comms. will call election soon on \$50,000 bonds.

Fla., Daytona Beach—Hospital—Board of Comms., Halifax Hospital Dist., F. J. Niver, Chmn., Volusia County, receives bids May 24 for \$750,000 6% \$1000 denom. bonds.

Fla., Deerfield—Water Works—Town, W. L. Sweat, Clk., receives bids May 17 for \$350,000 6% \$1000 denom. bonds.

Fla., Eau Gallie—Golf Links, Recreation Ground—City voted \$45,000 bonds. Address City Clk.*

Fla., Fort Lauderdale—Harbor—City, B. J. Horne, Mgr., plans \$2,000,000 bond election.

Fla., Haines City—City, Jess F. Ferrill, Mgr., plans \$1,185,000 bond election: \$1,000,000 paving, \$60,000 city hall, \$125,000 sewerage system.

Fla., Hollywood—Harbor—City, Charles H. Windham, Mgr., may call election before June 1 on \$200,000 bonds.

Fla., Lakeland—Municipal Improvement—City Comms. will call election June 1 on \$1,500,000 bonds: \$300,000, first units of Lake Mirror Civic Center; \$50,000, city park; \$30,000, athletic field; \$50,000, public parkways around lakes; \$65,000, equipment and preparation stockade grounds; \$75,000, nurses' home; \$40,000, incinerator; \$42,000, library lot; \$30,000, fire-fighting equipment; \$30,000, improve grounds around municipal buildings; \$750,000, sewer system.

Fla., Miami—Municipal Improvement—City Comms., C. L. Huddleston, Director of Finance, receives bids about May 19 for \$11,250,000 bonds or portion of same; F. H. Wharton, City Mgr.*

Fla., Ormond—Improvement—Town, John W. Robinson, Clk., receives bids May 18 for \$50,000 6% \$1000 denom. bonds.

Fla., Palmetto—Street—City, E. H. Mason, Clk., receives bid May 11 for \$7000 6% \$1000 denom. and \$21,000 6% \$1000 denom. bonds.

Fla., Pensacola—Improvement—City, J. E. Frenkel, Clk., rejected bids for \$360,000 5% bonds.*

Fla., St. Augustine—School—St. Johns County Board of Public Instruction, Robt. B. Meserve, Supt., will call election June 1 on \$250,000 St. Johns County Special Tax School Dist. No. 5 bonds.*

Fla., Tampa—School—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., receives bids May 17 for \$100,000 Hillsborough County School Dist. bonds.

Fla., Titusville—Brevard County Board of Public Instruction, W. F. Allen, Clm., receives bids May 13 for \$100,000 6% Special Tax School Dist. No. 3, \$250,000 6% Special Tax School Dist. No. 1 and \$200,000 Special Tax School Dist. No. 4 bonds.*

Fla., Waldo—Municipal Improvement—City votes May 11 on \$70,000 bonds: \$30,000 water, \$25,000 sewer, \$15,000 paving. Address City Clk.

Fla., Winter Haven—Paving—City Comms., M. L. Hinderliter, City Auditor and Clk., receives bids May 7 for \$900,000 6% \$1000 denom. bonds; H. G. McCutcheon, Mayor-Commr.

Ga., Folkston—School—Folkston Consolidated School Dist. voted \$50,000 bonds. Address Pres. Board of Trustees.

Ga., Thomasville—Paving—City contemplates \$90,000 bond issue. Address City Clk.*

Ga., Waycross—Sewerage System—City Com. plans \$100,000 bond election.

Ky., Elkton—Road—Todd County votes June 8 on \$300,000 bonds. Address County Comms.

La., Abbeville—Road—Vermillion Parish Police Jury, Rom. P. McBlane, Sec., receives bids June 2 for \$100,000 6% Road Dist. No. 3 bonds; R. J. Montague, Pres.

La., Baton Rouge—Docks and Terminals—

City, Mayor Bynum, voted \$300,000 bonds; L. J. Ricaud, Commr. of Finance.*

La., Marksville—Road—Avoyelles Parish Police Jury, C. R. Bordelon, Sec., receives bids June 2 for \$150,000 6% \$1000 denom. Road Dist. No. 2 bonds; \$60,000 6% \$1000 denom. Road Dist. No. 3 and \$56,000 6% \$1000 denom. Road Dist. No. 1 bonds; C. Kelone, Pres.

La., South Highlands, Shreveport—Water, Sewer—City, E. M. Bodenheimer, Mayor, receives bids May 8 for \$150,000 5% bonds.

Miss., Centreville—Water Works and Electric Light Plant—City votes May 8 on \$16,000 bonds. Address City Clk.

Mo., Gulfport—Water, Sewer—City plans bond issue. Address City Clk.

Mo., Buffalo—School—City plans \$15,000 bond election. Address City Clk.

Mo., Charity—School—City votes on \$8000 bonds. Address City Clk.

Mo., Farber—School—City votes soon on \$35,000 bonds. Address City Clk.

Mo., Kidder—School—City plans \$20,000 bond election. Address City Clk.

Mo., Normandy—School—City voted \$12,000 bonds. Address City Clk.

Mo., Union—School—City votes soon on \$40,000 bonds. Address City Clk.

N. C., Canton—School—School Board, A. J. Hutchins, Supt. of Schools, will call election soon on \$250,000 bonds.

Okl., Durant—School—City voted bonds. Address Pres. Board of Trustees.

Okl., Durant—Municipal Library—City Com. will call election within 30 days on \$25,000 bonds.

Okl., Eufaula—Courthouse—McIntosh County votes May 11 on \$75,000 bonds. Address County Comms.

Okl., Pawnee—Road—Pawnee County Comms. will call election May 18 on \$400,000 bonds.

Okl., Prague—Sewer—City voted \$28,000 bonds. Address City Clk.

S. C., Cross Hill—School—Town voted \$35,000 bonds. Address Pres. Board of Trustees.

S. C., Landrum—School—City voted \$25,000 bonds. Address Pres. Board of Trustees.

Tenn., Athens—School—City voted \$13,500 bonds. Address Board of Aldermen.*

Tenn., Bell Buckle—School—Town, B. G. White, Recorder, receives bids May 10 for \$10,000 6% bonds.*

Tenn., Chattanooga—School—Hamilton County plans \$350,000 bond issue. Address County Comms.

Tenn., Chattanooga—Tunnel—City plans voting in Aug. on \$500,000 bonds. Address City Clk.

Tenn., Elizabethhton—Municipal Improvement—Town voted \$100,000 bridge and \$60,000 city hall bonds.

Tenn., Knoxville—Viaduct—City, John C. Borden, Director of Finance, received high bid from Eastman, Dillon & Co., 71 Broadway, New York, at premium of \$1722.*

Tenn., Lookout Mountain—Water Works—Town, Hollis M. Caldwell, Mayor and Commr. receives bids June 1 for \$30,000 5% \$1000 denom. bonds.

Tenn., Trenton—School—Gibson County Comms. will call election June 5 on \$125,000 bonds.

Tex., Batesville—Road—Zavalla County plans \$300,000 bond election; W. H. Hutson, Div. Highway Engr.

Tex., Beckville—Water Works—City, Sam E. Matthews, Sec., plans bond election.

Tex., Childress—Municipal Improvement—City votes in May on \$460,000 bonds: \$175,000, county hospital; \$35,000, water mains extension; \$100,000, sewer extension; \$40,000, city hall; \$120,000, unannounced purpose. Address City Clk.

Tex., Cooper—Refund—City votes May 13 on \$129,500 5% bonds. Address City Clk.

Tex., Denton—City Hall—City Com. contemplates bond election.

Tex., Elgin—School—Elgin School Dist. voted \$90,000 bonds; School Board plans selling bonds. Address President.

Tex., Kyle—Water Works—City votes soon on \$60,000 bonds. Address City Clk.

Tex., McAllen—School—School Board plans calling \$355,000 bond election.

Tex., Marble Falls—School—City voted

\$8500 5% bonds; John J. Faubion, Pres. School Board.*

Tex., Pharr—San Juan—School—Pharr-San Juan Dist. voted \$80,000 bonds. Address Pres. Board of Trustees.*

Tex., Plains—Road—Yoakum County Comms. will call election May 15 on \$100,000 bonds.*

Tex., Port Arthur—Revetment—City Com., J. C. Hamilton, Clk., will call election June 15 on \$50,000 bonds; O. M. Bower, City Engr.

Tex., Rising Star—School—City voted \$25,000 bonds; plans issuing bonds. Address Pres. Board of Trustees.

Tex., San Angelo—City, E. V. Spence, Mgr., receives bids May 11 for \$250,000 5% \$1000 denom. school building bonds, and \$250,000 5% \$1000 denom. Junior College bonds.

Tex., San Juan—Paving—City voted \$60,000 bonds. Address The Mayor.*

Tex., Tyler—Hospital—Smith County Comms. Court will call election May 11 for \$125,000 bonds.*

Tex., Sherman—Paving—City, O. J. S. Ellingson, Mgr., may call election about June 3 on \$100,000; receives bids about July 4 for bonds.*

Tex., Victoria—Paving—City may call bond election. Address City Clk.

Va., Abingdon—School Washington County School Board may issue \$250,000 bonds.

Va., Covington—Road—Alleghany County Board of Supvrs., J. D. Mustoe, Treas., receives bids May 15 for \$150,000 5 1/2% \$1000 denom. bonds.

Va., Fincastle—School—Botetourt County contemplates bond issue. Address County Comms.

Va., Harrisonburg—General Improvement—City, Ward Swank, Clk., receives bids May 27 for \$100,000 5% bonds.

Va., Louisa—Water Works—City votes May 18 on \$35,000 bonds. Address County Comms.

Va., Newport News—City, A. M. Hamilton, Clk., receives bids May 10 for \$175,000 public improvement and \$200,000 refunding 4 1/2% bonds.

Va., Portsmouth—Road—Norfolk County Board of Supvrs. plans \$250,000 bond issue.

Va., Woodstock—School—Shenandoah County School Board contemplates \$200,000 bond election.

W. Va., Kingwood—City votes soon on \$15,000 bonds: \$9500 municipal hall, \$5500 fire equipment. Address City Clk.

W. Va., Richwood—Road—City, George E. Hurd, Mayor, will call election in June on \$78,000 bonds; W. D. McClung, Recorder.

W. Va., Wheeling—School—Clk. Board of Education receives bids May 15 for \$78,100 6% bonds.

W. Va., Williamson—Municipal Improvement—City voted \$335,000 bonds: \$150,000, street; \$230,000, water. Address City Clk.*

W. Va., Williamson—Municipal Improvement—City Com., Lafe P. Ward, Clk., receives bids about May 21 for \$335,000 bonds.*

Bond Issues Sold

Ala., Florence—Public Improvement—City sold \$141,000 6% bonds to Ellis & Co., First Natl. Bank Bldg., Cincinnati, at 90.50.

Ala., Sheffield—City Hall, Hospital—City, Peter Schant, Clk., sold \$150,000 bonds to I. B. Tigratt & Co., Market and Lafayette Sts., Jackson, Tenn.*

Fla., Auburndale—Street Improvement—City, D. W. Thorpe, Mgr., sold \$50,000 6% bonds to State Bank of Auburndale at 95 and accrued interest.*

Fla., Lakeland—Street—City sold \$586,000 5 1/2% bonds to syndicate composed of Ryan, Sutherland & Co., Ohio Bldg., Toledo, and Farson, Son & Co., 115 Broadway, New York, at 96.78.

Fla., Marianna—Municipal Improvement—City, Claud Davis, Clk., sold \$100,000 bonds at par: \$36,000 paving to First Natl. Bank, Marianna, \$36,000 water and light extension to Citizens State Bank, Marianna, \$28,000 sewer to First National Bank, Graceville.*

Fla., Milton—Courthouse—Santa Rosa County Comms., J. E. Keen, Chmn., sold \$125,000 6% \$1000 denom. bonds to First National Bank of Milton at par.*

Fla., Palatka—School—Putnam County

(Continued on page 142)



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Cleveland: 1150 East 26th Street Kansas City: 13th & Locust Sts.
Minneapolis: 6th St. & Hennepin Ave.

FINANCIAL NEWS

(Continued from page 140)

School Board, C. H. Price, Supt. of Public Instruction, sold \$230,000 6% bonds to Stranahan, Harris & Otis and J. C. Mayor, both Toledo, Ohio.*

Fla., Sarasota Heights, Sarasota—Bridge and Approach—Town, C. C. Barton, Clk., sold \$33,000 6% \$1000 denom. bonds to A. K. Tenckel, Canton, N. J.*

Fla., Tampa—School—Hillsborough County Board of Public Instruction, W. D. F. Snipes, Sec., sold to Brown-Crummer Co., Wichita, Kan., \$48,000 6% Special Tax School Dist. No. 10 bonds at \$45,600 and accrued interest: \$100,000 6% Special Tax School Dist. No. 50 bonds at \$95,025 and accrued interest.*

Fla., Tavares—School—Tavares Board of Public Instruction, D. K. Moore, County Supt., sold \$30,000 6% Lake County Special Tax School Dist. No. 25 bonds to Brown-Crummer Investment Co., Schweiter, Bldg., Wichita, Kan., at 95.25.*

Fla., West Palm Beach—School—Palm Beach County Commrs. sold \$50,000 bonds to Prudden & Co., Home Bank Bldg., Toledo, Ohio, at premium of \$617.

Ga., Montezuma—Municipal Improvement—City, Jule W. Felton, Mayor, sold \$50,000 5% bonds to Bell Speas & Co., Atlanta, at premium.*

Ky., Louisville—University—City, Arthur A. Will, Mayor, sold \$1,000,000 coupon bonds to syndicate composed of Bankers Trust Co., Guaranty Co., 140 Broadway, New York; W. A. Harriman & Co., Inc., 39 Broadway; Detroit Co., Inc., 14 Wall St.; Kean, Taylor & Co., 5 Nassau St.; Barr Bros. & Co., 14 Wall St., all New York, and James C. Wilson & Co., 217 S. Fifth St., Louisville, at par.

La., Homer—School—Clairborne Parish School Board, John O. Gray, Pres., sold \$25,000 bonds to L. E. French & Co., Guaranty Bank Bldg., Alexandria, at 99.30.*

Md., Centerville—Lateral Road—Queen Annes County Commrs., C. Edgar Smith, Clk., sold \$21,000 5% bonds to Townsend Scott & Son., 209 E. Fayette St., Baltimore, at \$21,860 and accrued interest.*

Md., Chestertown—Road—Kent County Commrs. sold \$17,000 5% coupon bonds to Third Natl. Bank of Chestertown at \$17,255.

Miss., Bay St. Louis—School—City, S. J. Ladner, Sec., sold \$67,000 5 1/4% bonds to Mississippi Mortgage Bond Co., Gulfport, at premium of \$1241.*

Mo., Webb City—School—City, L. O. Walker, Clk., sold \$30,000 4 1/2% bonds to Mercantile Trust Co., 7 N. Locust St., St. Louis, at premium of \$21.*

N. C., Greensboro—Municipal Improvement—City, E. G. Sherrill, Clk., sold \$1,500,000 4 1/2% bonds to Atlantic Bank & Trust Co., Jefferson Bldg., Greensboro, at \$1,501,650 and accrued interest.*

N. C., Hazelwood—Street—L. M. Richeson, Clk., sold \$45,000 6% bonds to Spitzer, Rorick & Co., Nicholas Bldg., Toledo, at premium of \$526.*

N. C., Wilson—Public Improvement—City, Theo. A. Hinnant, Clk., sold \$95,000 5 1/4% bonds jointly to Federal Commerce Trust Co. and W. L. Shaffner & Co., both St. Louis, at premium of \$532.*

S. C., Cross Hill—School—City sold \$35,000 5 1/4% bonds to Robinson-Humphrey Co., Atlanta, Ga., at par and accrued interest.*

Tenn., Alcoa—School—City Commrs., A. B. Smith, City Recorder, sold \$70,000 5% bonds to N. S. Hill & Co., Cincinnati, Ohio, at \$70,467 and accrued interest.*

Tenn., Gallatin—Highway—Sumner County Revenue Commrs., Harvey L. Brown, Clk., sold \$25,000 4 1/2% bonds to Joe B. Palmer & Co., Nashville, at premium of \$56,000 and accrued interest.*

Tenn., Tiptonville—Water Works—City Comm., sold \$25,000 5 1/2% bonds to Central States National Bank of Memphis, 127 Madison Ave., at premium of \$522.

Tenn., Wylie—School—City sold \$40,000 5% Wylie Independent School Dist. coupon bonds to First State Bank of Wylie, at discount of \$290.

Va., Independence—Road—Grayson County Board of Supvrs., T. E. Brannock, Clk., sold \$90,000 6% bonds to Hanchett Bond Co., Chicago, Ill., at par, plus expenses and premium of \$5420.*

Va., Luray—Road—Page County Board of

Supvrs., Grover C. Miller, Clk., sold \$200,000 4 1/2% bonds to A. C. Allyn & Co., Minneapolis, Minn., at par.*

Building and Loan Associations

Ky., Newport—Monmouth Street Building & Loan Assn., plans increasing capital \$1,750,000 to \$2,000,000.

Ky., Richmond—Madison County Building & Loan Assn., plans increasing capital, \$100,000 to \$200,000.

New Financial Corporations

Ala., Montgomery—First National Bank, A. M. Baldwin, Pres., and Exchange National Bank, J. L. Gaston, Pres., consolidated as First National Bank, with \$17,424,130 combined resources; A. M. Baldwin, Pres.; J. A. Ledbetter, Cashier.

Fla., Gainesville—University City National Bank, Dutson Bldg., chartered; W. R. Thomas, M. M. Parrish.

Fla., Kissimmee—First National Bank of Kissimmee, Way Arcade Bldg., Broadway and Stewart Ave., capital \$50,000, organized; L. H. Gedge, Pres.

Fla., Miami—Federal Finance & Mortgage Co., 128 N. E. First Ave., capital \$5,000,000, incorporated; W. R. Carter.

Fla., Sarasota—Bank of Sarasota, T. C. Taliáferro, Pres., plans increasing capital \$100,000 to \$250,000.

La., Thomasville—People's Savings Bank, T. J. Ball, Pres., plans increasing capital to \$50,000.

Ky., Louisville—Oldham Investment Co., capital \$25,000, chartered; Howard B. Mahan, 126 N. Second St.

La., Lake Charles—Morgan Plan Co., Inc., capital \$50,000, incorporated; C. V. Bressler, Pres.; A. L. Thomas, Sec.-Treas.

Mo., Kansas City—Equitable Savings & Loan Assn., capital \$1,500,000, incorporated; A. W. Calkins, 1100 Valentine Road.

Mo., St. Louis—Liberty Central Securities Co., capital \$25,000, incorporated; C. D. Hindleider, 5020 Bancroft St.

N. C., Charlotte—Southern Mortgage & Securities Co., capital \$200,000, incorporated; E. T. Cansler, Jr., Law Bldg.

N. C., Waynesville—Florida Investment Co., capital \$50,000; J. T. Walker, A. A. Buck.

Okl., Ponca City—Security Trust Co., organized; L. K. Meek, Pres.; F. F. Ball, Sec.

S. C., York—York Discount Co., capital \$25,000, chartered; Quinn Wallace, Pres.; T. M. Ferguson, Sec.-Treas.

Tex., Dallas—National Savings & Loan Assn., 110 Athletic Club Bldg., chartered; L. A. Boli, Jr.

Tex., George West—First Natl. Bank of George West, capital \$50,000, chartered; E. G. Majors, Pres.; E. E. Bartlett, Cashier; conversion of First State Bank.

Tex., Houston—Dixon Securities Co., capital \$100,000, chartered; T. K. Dixon, 3002 Main St.

Tex., Houston—Savings Investment Co., capital \$10,000, incorporated; H. D. Greenberg, 2816 Brazos St.

Tex., La Feria—O. M. Adams Securities Co., capital \$10,000, chartered; Robert Clarke, M. P. Cullinan.

Reynolds County Bank, M. L. Copeland, Pres., Centerville, Mo., absorbed Bank of Lesterville, C. M. Fitzpatrick, Pres., Lesterville, Mo.

Traylor Crushing Rolls Bulletin.

Bulletin No. 1106 of the Traylor Engineering & Mfg. Co., Allentown, Pa., supersedes the R2 and relates to the heavy-duty crushing rolls made by the company, a picture of which product appears upon the front cover page. The 42 pages of the publication contain an abundance of descriptive matter, fine illustrations and valuable tabulations of data, which customers will appreciate for their accuracy and usefulness. The style of the bulletin is superior and its completeness is also notable.

Trade Literature

Ferguson Gear Co. Enlarging.

The Ferguson Gear Company, Gastonia, N. C., are having additional buildings erected which will provide them with about three times the amount of manufacturing space that they now have. The products of the company include cut gears, silent chains, bevel spur spiral worm sprockets; rawhide, bakelite and hardened steel pinions, etc.

An Attractive Publication.

The current issue of Ingot Iron Shop News, published at Middletown, Ohio, the home of the American Rolling Mill Co., manufacturers of the widely known "Armeo" ingot iron, is a bright and attractive publication finely printed and well illustrated. It is full of material of interest to everyone concerned with selling or using iron and its products.

Huber Motor Roller.

The Huber Motor Roller, manufactured by the Huber Manufacturing Co., Marion, Ohio, is described as a model of simplicity and efficiency in a finely printed and illustrated catalogue of 24 pages. On the front cover is a large picture showing one of these motor rollers proceeding along a Florida highway between rows of tall palm trees. The manufacturers say that this machine "has within the past few years revolutionized motor roller design." Its "economy of operation and absolute dependability" are also strongly emphasized as pointing toward its increasing popularity with road contractors and others having to do with highways. Full particulars concerning construction and operation are given.

Store Budget Control.

"The Retail Inventory Method and Store Budget Control" prepared and published by Ernst & Ernst, New York city, is the result of modern every-day practice, not theory, and represents the successful experience in all sizes and kinds of stores nationwide. This booklet is written to give the layman an easy and thorough understanding of the retail inventory method of accounting and the relation of this method to store budget control. The text, confined strictly to important principles and explanatory essentials, is not complicated by argument or technical detail, but it provides complete information in compact form. Copies may be obtained at any of the many Ernst & Ernst offices throughout the country.

Value of Steel in Building Construction.

The American Institute of Steel Construction, Inc., 285 Madison avenue, New York, has issued to its members a reprint of an article which appeared in the American Architect of December 20, last, concerning the demolition of the Madison Square Garden building in New York city. On page 17 is included the report of Frank W. Skinner, consulting engineer, on the condition of the steel work at the time the structure was demolished after thirty-five years of constant service. "This report," it is stated in Bulletin 102 of the Institute, "is an important contribution in substantiating the claim that steel has no equal as a structural material, insuring the greatest strength and security." More copies may be had by those who receive the bulletin if they are requested.

How About Your Credit Information?

RELIABLE credit information often means the difference between safety in business dealings and uncertainty—perhaps losses.

We maintain a highly organized Credit Department, capable of obtaining dependable credit information on domestic or foreign concerns.

Let us supplement the information of your own Credit Department on your more important customers or prospects. We shall be glad to have you give us a trial.



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"The Early 1880's in Baltimore"

Southern men and women who lived in, or visited Baltimore in the period when this Company was established—which was the year of 1884—will be interested, we believe, in our anniversary book "The Early Eighties: Sidelights on the Baltimore of forty years ago." A copy will be sent upon request.

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Let us tell you about it.

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Camden, N. J.
The Walt Whitman,

“Responsible For Camden’s Evolution”

In the beginning, some folks doubted the success of a distinctive, modern hotel in Camden, because of its proximity to Philadelphia. Today, ten months after the hotel's opening, a large addition is under way to care for the increased business.

Wm. Kennedy, Executive Secretary of Camden's Chamber of Commerce, which organization sponsored the project, says: "The Walt Whitman can be truthfully credited with the starting of a new era for Camden. It is, in the main, responsible for the evolution of Camden from a somewhat somber and drab industrial town, to a city having self-evident and unquestioned regard for the hygienic, the spiritual and the beautiful. It is the community rallying point and has had unparalleled success since its opening last September."

And of course, The Walt Whitman, like nearly all modern community-built hotels, was Hockenbury financed.

There can be a similarly successful modern hotel in YOUR community—if it's handled the Hockenbury way!

THE FINANCIALIST, an attractive journal of community hotel finance, may suggest something for your town. We'll be glad to send it gratis to those who ask that their names be placed on our complimentary list, "M-5." No obligation entailed.

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INVESTIGATIONS FOR FINANCING PURPOSES COST SYSTEMS AND MANAGEMENT SURVEYS

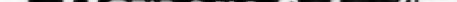
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R.J. Shutting

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ARTIST

Chattanooga Tennessee

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Advertise in the
MANUFACTURERS RECORD

How are sales? 

Our reports on how others select salesmen; increase sales to old customers; bonus plans for salesmen; salesmen's compensation; and more.

The logo for Dartnell Publishers' Sales Management Magazine. It features a stylized 'D' composed of a grid of squares, with the word 'DARTNELL' in bold, serif capital letters above it. Below the 'D' is the text 'Publishers' Sales Management Magazine' and '1801 Leland Ave. Chicago'.

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We Buy Bonds

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THE PROVIDENT SAVINGS BANK & TRUST CO.
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Specializing in the preparation of legal proceedings
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REAL ESTATE MORTGAGE BONDS

We are interested in the purchase of first mortgage bond issues covering business property, hotels, apartment houses, etc., in amounts of \$50,000 and upwards. Entire issues city, county and district bonds purchased.

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WE BUY MUNICIPAL BONDS

We are interested in the purchase of Southern Municipalities including road, school, county, drainage and levee bonds.

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Southern Trust Bldg. Little Rock, Ark.

Municipal Bonds

Inquiries invited from municipalities and contractors.
 We buy city, county, district, school, road, lighting, water works and other municipal issues.

A.C. ALLYN AND COMPANY

67 W. Monroe St., Chicago, Ill.

New York Boston Philadelphia Milwaukee Minneapolis San Francisco

1926 Analysis

S. S. Kresge Company

Operating a chain of 315 Five-and-Ten-Cent Stores

The 1926 edition of our Kresge analysis is now ready for distribution. It calls attention to the remarkable record of this chain.

CAPITALIZATION

	Authorized	Outstanding
Preferred Stock, 7% Cumulative (par \$100)	\$ 5,000,000	\$ 2,000,000
Common Stock (par \$10)	100,000,000	36,786,197

BOTH ISSUES ARE LISTED ON THE NEW YORK STOCK EXCHANGE

The figures below compare operating statistics of the Kresge Company reported during the past seventeen years and show the large earning power behind both the Preferred and Common Stock issues.

Year	Stores	Gross Sales	Profits Before Federal Taxes
1909	42	\$ 5,116,099	\$ 310,993
1910	51	6,508,752	408,957
1911	64	7,923,064	470,866
1912	85	10,325,487	669,179
1913	101	13,258,227	869,686
1914	118	16,097,393	1,150,497
1915	140	20,943,300	1,293,219
1916	157	26,396,547	2,172,348
1917	164	30,090,700	2,360,988
1918	170	36,309,513	2,950,999
1919	176	42,668,061	3,505,201
1920	189	51,245,311	3,678,506
1921	199	55,859,010	4,627,032
1922	212	65,191,467	7,576,417
1923	233	81,843,233	10,893,988
1924	256	90,096,248	11,564,163
1925	304	105,965,610	13,509,260

The Company has opened 12 new stores since January 1st and plans to open 38 additional stores during the year.

Our 1926 analysis will be sent upon request. We also have in preparation similar data on McCrory Stores Corporation, National Tea Company, General Railway Signal Company, G. R. Kinney Co., Inc., Oppenheim, Collins & Co., Inc., Gotham Silk Hosiery Co., Inc., Peoples Drug Stores, Inc., Western Auto Supply Co., and others to be announced later.

Send for Kresge Analysis RM-250

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Labor in the South

THE labor supply of the South is made up almost entirely of English-speaking, native Americans. They bring to their work—whatever it may be—the almost undiluted characteristics and traditions that have come down to them through generations of pioneer stock.

They are, in short, an important asset to the industrial future of this country.

If you are planning to join the "southward trek of Industry," you will want, however, to approach your problem of labor relations with some understanding of the background that has developed markedly different characteristics in each major section of this vast territory of fourteen states so glibly referred to as "the South."

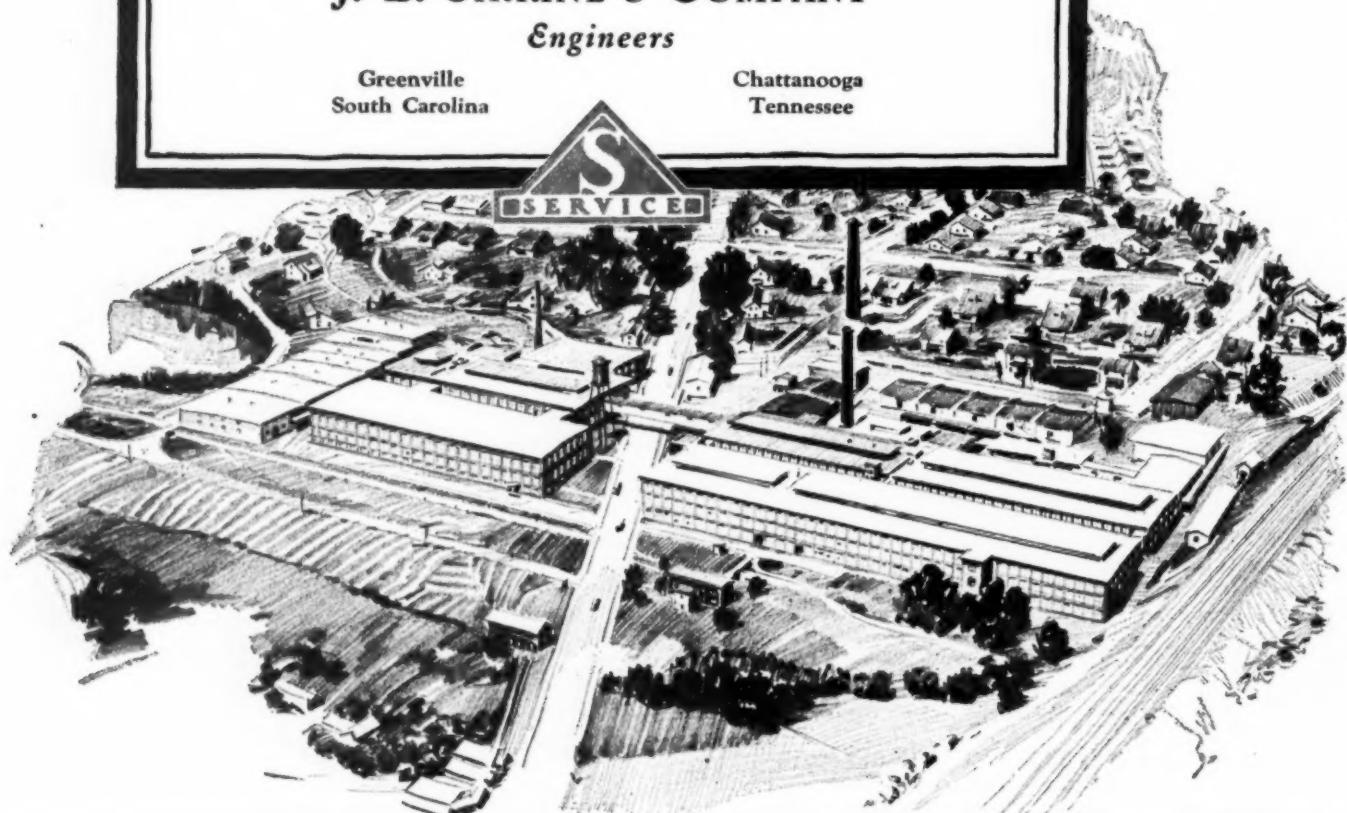
More than a quarter century of experience in helping Industry in the South is available to you through this organization of Engineers. A glimpse of the extent and character of this experience may be had from: "Factories for the Future"; "Picks to the Minute", on the textile industry; "Contentment Under Roof", on housing and allied problems; and "On the Subject of Power". We shall be glad to send you one or more of these books.

J. E. SIRRINE & COMPANY *Engineers*

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South Carolina

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Tennessee

*Mill buildings and
part of the village
of the Beaumont
Mfg. Co., Spartan-
burg, S. C., one of
many industrial en-
terprises served by
this organization
of Engineers.*



ENGINEERING CONSULTANTS ON THE SOUTH

Importance of Cracking Processes.

According to the best information available, about 25 per cent of the gasoline output of the refineries for 1925 was produced from heavier oils by cracking, states the Bureau of Mines. This represents a production of approximately 2,824,000,000 gallons of gasoline by the use of cracking processes, as compared to 400,000,000 gallons in 1918 and 1,000,000,000 gallons for the five-year period preceding 1918. In other words, almost seven times as much gasoline was made by cracking in 1925 as in 1918, and almost three times as much as for the five-year period preceding 1918.

This large production of cracked gasoline has been an extremely important factor in the providing of an adequate supply of motor fuel, as it has greatly increased the amount of gasoline available without a corresponding increase in the production of crude oil. On the basis of the estimated yield of gasoline by straight distillation (23.4 per cent) in 1925, it would have required approximately 287,000,000 barrels additional of crude oil to furnish the gasoline made by cracking processes.

To Push \$500,000 Tunnel Issue.

Chattanooga, Tenn.—According to M. Fuller, president of the Central Business Men's Association, a meeting will soon be called to consider plans to promote a proposed bond issue of \$500,000 for the construction of a tunnel through Missionary Ridge south of Main street. Surveys have already been made and preliminary details determined. An enabling act was passed at the last session of the legislature and an election will be held on the proposition at the general election in August.

Home Building Operation at Tampa.

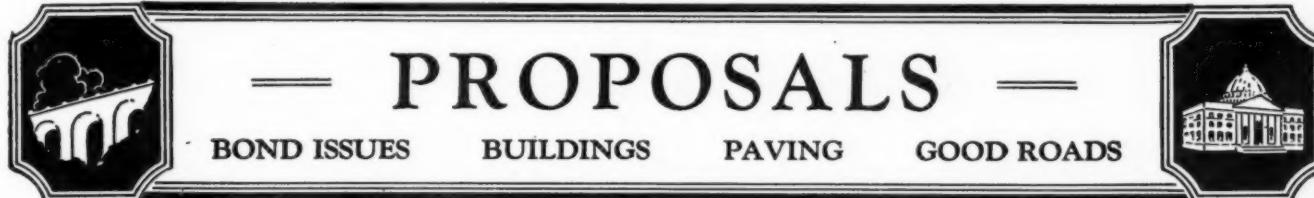
Outlining its building program in the North Side Country Club area at Tampa, Fla., the B. L. Hamner Realty Corporation advises the MANUFACTURERS RECORD that it plans to begin within 30 days a building program to involve the erection of the first unit of 100 homes. The company also plans to erect a \$65,000 community school building during the summer. At present it has under construction a country club house of concrete block construction overlaid with stucco, to cost \$100,000; from 15 to 20 residences nearing completion at a cost of from \$6000 to \$10,000 each, and is finishing an administration building of concrete block and stucco at a cost of \$50,000.

\$175,000 Stadium for Methodist University.

Dallas, Texas.—Construction has started on the new \$175,000 stadium to be erected here for the Southern Methodist University, contract for the structure having recently been awarded to Watson & Co. of this city. The stadium will be 360 by 130 feet, of concrete and brick. De Witt & Lemon of Dallas are the architects, and the Osborn Engineering Co., Cleveland, Ohio, engineers.

Texas County to Vote on \$470,000 of Bonds.

Childress, Texas.—Bond issues aggregating \$470,000 are expected to be voted on by Childress county during May, the largest item to involve \$175,000 for the erection of a county hospital. Other items in the program include \$35,000 for the extension of water mains here, \$100,000 for the extension of sewers, \$40,000 for a city hall and \$120,000 for purposes not yet designated.



Bids close June 8, 1926.

SEALED PROPOSALS, marked "Proposals for Construction of Buildings and Utilities, North Chicago, Illinois, will be received by the U. S. Veterans' Bureau, Room 791, Arlington Building, Washington, D. C., until 11 A. M. June 8, 1926, and then and there publicly opened, for the construction complete of one Recreation Building, one Acute Patients' Building, two Continued Treatment Buildings and one Administration Building, also Covered Walks, Pavement, etc., to be built at U. S. Veterans' Hospital No. 105, North Chicago, Illinois. This work will include reinforced concrete construction, hollow tile, brick work, cast concrete stone, marble work, tile floors and wainscots, iron work, steel sash, iron stairs with slate treads, slate, metal and built-up roofing, roof ventilators, metal lathing, plastering, carpentry, dumb waiter, metal weather strips, insect screens, hardware, painting, glazing, plumbing, heating and electrical work, electric elevators and outside service connections. SEPARATE PROPOSALS will be received for Building Construction, Plumbing, Heating, Electrical Work and Elevators, all as set forth on proposal sheet. Proposals will be considered only from individuals, firms or corporations possessing satisfactory financial and technical ability, equipment and organization to insure speedy completion of the contract and in making awards; the records of bidders for expedition and satisfactory performance on contracts of similar character and magnitude will be carefully considered. At the discretion of the Director, drawings and specifications may be obtained upon application to the Construction Division, Room 791, Arlington Building, Washington, D. C. Deposit with ap-

RATE: 35 cents per line per insertion.

PUBLICATION DAY: Thursday.

FORMS CLOSE: 4 P. M. Monday.

DAY LETTER: When too late to send copy by mail to reach us by 4 P. M. Monday, forward by day letter.

THE DAILY BULLETIN OF THE MANUFACTURERS RECORD:

Published every business day; gives information about the industrial, commercial and financial activities of the South and Southwest.

The Daily Bulletin can be used to advantage when copy cannot reach us in time for publication in the Manufacturers Record before bids are to be opened, or when daily publications are necessary to meet legal requirements.

The same rate applies—35 cents per line per insertion.

Bids close May 8, 1926.

U. S. ENGINEER OFFICE, Florence, Ala. Sealed proposals will be received here until 11 A. M. May 8, 1926, and then opened, for the sale of concrete mixer plant equipment, including two 2-yard mixers, one 10-ton steel guy derrick, bucket elevators, belt conveyors, motors, etc., at Wilson Dam, Tennessee River. Further information on application.

Bids close May 15, 1926.

\$150,000 5 1/2% Road Improvement Bonds

Covington, Va.

Notice is hereby given that at 12 o'clock noon on May 15, 1926, the Board of Supervisors of Alleghany County, Virginia, will receive sealed bids for the sale of \$150,000 Alleghany County, Virginia, State Highway Road Improvement Bonds.

These bonds will be in \$1000 denominations each, bearing interest at 5 1/2 per cent per annum, payable semi-annually at Irving Bank-Columbia Trust Company of New York on the first day of January and first day of July of each year.

These bonds are to be known as 5-10 year bonds, and the Board of Supervisors reserve the right to redeem any or all such bonds at the expiration of five years. The Board of Supervisors reserve the right to reject any or all bids on the above issue.

Date of these bonds will be June 1, 1926, and a check for 10 per cent of each bid will be required to accompany the bid.

J. D. MUSTOE,
Treasurer, Alleghany County, Va.
By order of the
BOARD OF SUPERVISORS.

plication of a check or postal money order for \$50, payable to the TREASURER OF THE UNITED STATES, is required as security for safe return of the drawings and specifications within ten days after date of opening proposals. FRANK T. HINES, Director. May 5, 1926.

Bids close May 8, 1926.

U. S. ENGINEER OFFICE, Florence, Ala.—Sealed proposals will be received here until 11 A. M. May 8, 1926, and then opened, for the sale of standard-gauge dump cars and standard-gauge locomotives at Wilson Dam, Tennessee River. Further information on application.

PROPOSALS

Manufacturers Record

Bids close May 25, 1926.

Sealed proposals will be received at the office of the General Treasurer, National Home for Disabled Volunteer Soldiers, until 12 o'clock M. (Central standard time) May 25, 1926, and then opened, for furnishing and delivering supplies (clothing, chinaware, bedding, stationery, etc.) for the year ending June 30, 1927. Copies of instructions and specifications can be had upon application to C. W. Wadsworth, General Treasurer, National Military Home, Dayton, Ohio.

Bids close May 18, 1926.

\$50,000 6% Improvement Bonds

Notice is hereby given that the Town of Ormond, Florida, will receive bids for the purchase of issue of Fifty Thousand (\$50,000) Dollars six (6%) per cent local improvement bonds of the Town of Ormond, dated April 1, 1926, in One Thousand (\$1000) Dollar denomination, interest payable semi-annually.

Bids must be in the hands of John W. Robinson, Town Clerk, Ormond, Florida, by 7:30 P. M. May 18, 1926, and must be accompanied by certified check for Twenty-five Hundred (\$2500) Dollars, payable to the Town of Ormond, Florida.

Dated this 29th day of April, A. D. 1926.
TOWN OF ORMOND, FLA.
By JOHN W. ROBINSON,
Town Clerk.

Bids close May 10, 1926.

\$375,000 4 1/2% Public Improvement and Refunding Bonds

SEALED BIDS will be received by the City Clerk of Newport News, Virginia, until 2:30 P. M.

MAY 10, 1926,
at which time same will be opened in the Council Chamber for the purchase of the following bonds:

\$175,000 four and one-half per cent serial bonds for Public Improvements, semi-annual interest coupons attached, and to mature on June 1 in each year for twenty years, as follows:

1927, \$6,000	1928, \$6,000
1929, \$6,000	1930, \$7,000
1931, \$7,000	1932, \$7,000
1933, \$7,000	1934, \$8,000
1935, \$8,000	1936, \$8,000
1937, \$9,000	1938, \$9,000
1939, \$10,000	1940, \$10,000
1941, \$10,000	1942, \$11,000
1943, \$11,000	1944, \$11,000
1945, \$12,000	1946, \$12,000

Interest payable semi-annually on the first days of June and December in each year.

\$200,000 four and one-half per cent serial bonds for Refunding, a similar amount in Short Term Notes issued originally for the purpose of reimbursing the General Fund of the City for the cost of constructing Public Improvements, semi-annual interest coupons attached, bonds to mature on June 1 in each year for twenty years, as follows:

1927, \$7,000	1928, \$7,000
1929, \$7,000	1930, \$8,000
1931, \$8,000	1932, \$8,000
1933, \$9,000	1934, \$9,000
1935, \$9,000	1936, \$10,000
1937, \$10,000	1938, \$10,000
1939, \$11,000	1940, \$11,000
1941, \$12,000	1942, \$12,000
1943, \$13,000	1944, \$13,000
1945, \$13,000	1946, \$13,000

Interest payable semi-annually on the first days of June and December in each year.

All bonds to be in the denomination of \$1000 each, interest and principal payable at the National City Bank of New York, New York City, on due dates.

All bids to be accompanied by a certified check, payable to the Treasurer of the City of Newport News, Virginia, for two (2) per cent of the par amount of the bonds bid for.

The Council reserves the right to reject any or all bids.

All bids to be addressed to the undersigned and plainly marked on the outside of the envelope containing bids: "Bids for Bonds."

Bonds to be approved by Messrs. Thompson, Wood & Hoffman, bond attorneys, New York City.

Further information to be furnished upon application to

A. M. HAMILTON, City Clerk,
Newport News, Virginia.

Bids close May 19, 1926.

\$500,000 6% Improvement Bonds

Boca Raton, Fla.

The Town of Boca Raton, Palm Beach County, Florida, will receive sealed bids, addressed to the undersigned, until 7:30 P. M. May 19, 1926, at which time they will be opened and compared at a regular meeting of the Town Commission, for the sale of Five Hundred (500) One Thousand Dollar (\$1000) Town of Boca Raton improvement bonds, dated May 1, 1926, maturing as follows:

100 Bonds, May 1, 1936
100 Bonds, May 1, 1941
100 Bonds, May 1, 1946
100 Bonds, May 1, 1951
100 Bonds, May 1, 1956

Bonds bearing interest at the rate of six (6%) per cent per annum, payable semi-annually, principal and interest payable at the National Bank of Commerce, New York, N. Y., or at the office of the Town Clerk and Treasurer, Boca Raton, Florida.

Said bonds shall be prepared and ready for delivery when bonds are sold, and the legality of the issue will be passed upon by Caldwell & Raymond, Bonding Attorneys of New York, N. Y., whose opinion will be furnished the purchaser without charge.

A certified check for Ten Thousand Dollars (\$10,000), certified by any bank, must accompany each bid as evidence of good faith, and same shall be forfeited to the Town of Boca Raton as liquidated damages in case the successful bidder fails to comply with the terms of his bid.

The Town of Boca Raton reserves the right to reject any or all bids.

Any further information desired may be obtained from

J. G. BROWN, Mayor.

GEO. S. AKINS, Town Clerk.

Bids close May 24, 1926.

\$750,000 6% Bonds

HALIFAX HOSPITAL DISTRICT,
VOLUSIA COUNTY, FLORIDA.

Sealed proposals, to be received by the undersigned, Board of Commissioners of said Halifax Hospital District, a special tax district in Volusia County, Florida, at the City Hall, City of Daytona Beach, Florida, at 2 o'clock P. M. on the 24th day of May, A. D. 1926, for the following issue of bonds of said Halifax Hospital District, a special tax district situated in Volusia County, State of Florida, to wit:

\$750,000 "Halifax Hospital District Bonds of 1926," dated April 1, A. D. 1926, due \$25,000 each year, 1926 to 1953, both inclusive. Interest payable semi-annually on April 1st and October 1st of each and every year at 6 per cent per annum. Denomination \$1000 each.

Said issue of bonds has been validated by decree of the Circuit Court of the Seventh Judicial Circuit of the State of Florida in and for Volusia County, Florida.

Both principal and interest on said issue of bonds payable at Merchants Bank & Trust Company, Daytona Beach, Florida, or National Bank of Commerce, City of New York, State of New York, at the option of the holder thereof.

Each proposal must be accompanied by cash or certified check, payable to the order of F. J. Niver, Chairman, Board of Commissioners, Halifax Hospital District, for 2 per cent of the par value of said issue of bonds. The check of the successful bidder to be retained by the Board of Commissioners as security for the completion of the contract of sale by the purchaser, and checks of all unsuccessful bidders to be immediately returned.

Delivery of these bonds will be made to Merchants Bank & Trust Company of Daytona Beach, Florida, or to National Bank of Commerce, City of New York, State of New York, at the option of purchaser.

This authorized issue of bonds to be sold subject to the approving opinion of Messrs. Thomson, Wood & Hoffman, of New York City, New York, to be furnished by said Board of Commissioners. Bonds will be printed and furnished by district.

The right to reject any and all bids is hereby reserved.

It is requested that no bids be made except on the form provided by the Board of Commissioners, which form will be supplied by the undersigned upon request.

Full statement of condition of district will be forwarded on request.

For further information address the undersigned.

F. J. NIVER,

Chairman, Board of Commissioners
Halifax Hospital District, Daytona
Beach, Florida.

Bids close May 11, 1926.

Bridge Construction

Baton Rouge, La.

Sealed proposals will be received at the office of the Louisiana Highway Commission, Reymond Building, Baton Rouge, La., up to 11 o'clock A. M.

TUESDAY, MAY 11, 1926,

at which place and time they will be publicly opened, for the construction of the French Fork Bridge, on the Jena-Jonesville Highway, in Catahoula Parish, Federal Aid Project No. 166-C.

The construction consists of three 80-ft. steel low truss spans, and four 31-ft. reinforced concrete deck girder spans supported on reinforced concrete piers. The approximate quantities involved are:

530 cubic yards of Class A concrete.
240 cubic yards of Class E concrete.
77,500 pounds reinforcing steel.
1440 linear feet untreated timber foundation piling.
1650 linear feet precast reinforced concrete piling.
168,300 pounds of fabricated structural steel.
625 cubic yards structural excavation.
8 timber test piles.

Information as to the location, character of work, extent and class of material, terms of payment, regulations governing the manner of submitting proposals and executing contract may, on application, be obtained at the office of the Louisiana Highway Commission, Reymond Building, Baton Rouge, La. Plans and specifications may be inspected at the office of the Commission in Baton Rouge, or will be furnished upon receipt of \$5.00 as payment therefor, not to be refunded.

W. B. ROBERT,

State Highway Engineer.

W. E. ATKINSON,
Chairman, Louisiana Highway Commission.

Bids close May 10, 1926.

Concrete Highway Bridge

Jacksonville, Fla.

Sealed proposals to be filed with Frank Brown, Clerk of the Board of County Commissioners, Room 101, County Court House, Jacksonville, Fla., will be received by the Board of County Commissioners up to 10 o'clock A. M. Monday, May 10, 1926, for the construction of a new concrete highway bridge on the Atlantic Boulevard, Road No. 2, over Big Pottsbury Creek, Duval County, Florida.

This bridge is to be constructed under the Duval County Bond Issue of 1925.

The new bridge will have a length of two hundred eighty-three (283) feet, consisting of four (4) reinforced concrete arch spans, with thirty-four (34) foot roadway and will connect at each end with the Atlantic Boulevard as shown on the plans.

Bids shall be accompanied by a certified check, drawn upon a local bank, made payable to J. F. Hammond, Chairman of the Board of County Commissioners, or money. Such certified check or money shall be in the sum of 5% of the bid, to be forfeited as liquidated damages (not penalty) by any bidder who is awarded the contract and who fails promptly to execute contract and bond. The certified check or money will be returned to the bidders upon execution of the contract and bond, or sooner upon action of the commissioners.

A bond satisfactory to the Commissioners for 50% of the total contract price will be required, which must be executed by a resident agent in Duval County representing a Surety Company, authorized to do business in the State of Florida and otherwise satisfactory to the County. The contract may be awarded to lowest, responsible and competent bidder, but the Board of County Commissioners reserves the right to reject any and all bids and waive informalities. Bids shall be based upon the plans and specifications of the Bridge Engineer, copies of which may be secured at the office of T. B. Carrick, County Bridge Engineer, 305 Court House, Jacksonville, Florida, by depositing \$50, which sum will be returned in full if plans and specifications are returned in good condition within thirty days of the date of opening bids. Plans and specifications may be examined in the County Engineer's Office at any time.

By order of the Board.

J. F. HAMMOND,
Chairman.

Attest:

FRANK BROWN.

Dated: April 12, 1926.

Bids close May 27, 1926.

\$100,000 5% Improvement Bonds

THE CITY OF HARRISONBURG, VA., invites bids on \$100,000 General Improvement Bonds, dated June 1, 1926, payable in 30 years; 5 per cent interest, payable semi-annually. Sealed bids received until 12 noon May 27, 1926, accompanied by certified check for 1 per cent of bid. Right to reject any or all bids. For information address

WARD SWANK, City Clerk.
Harrisonburg, Va.

Bids close June 1, 1926.

Reinforced Concrete Arch Bridge

Sebring, Fla.

Sealed proposals for the construction of a Reinforced Concrete Arch Bridge will be received by the City of Sebring, Florida, at the office of the City Clerk until 8 o'clock P. M. on Tuesday, June 1, 1926, for the construction of the above-mentioned bridge across the South Arm of Lake Jackson.

General plans are on file in the office of the City Engineer and all proposals shall conform to same with reference to depth of footings, roadway elevation, length of spans, roadway width, walk width, etc.

Each proposal shall be accompanied by the detailed plans of the bidder showing system of reinforcing, size of reinforcing, spacing, etc. All sizes and thicknesses of all concrete sections to be clearly shown.

Each proposal shall be accompanied by complete Stress Sheets and Computations to show that structure is properly designed.

Loadings—20-ton road roller (concentrated).

Payments will be made monthly in cash on Engineers' estimates to the extent of eighty-five per cent of the work done, balance on completion and acceptance.

Successful bidder will be required to furnish a surety company bond for one hundred per cent of the contract price, said bond to remain in full force and effect for two years after the completion of the work and guarantee the structure against failure due to design, workmanship or materials.

In connection with the Reinforced Concrete Arch Bridge bids or proposals will also be received on approximately fourteen thousand three hundred eighty-five (14,385) feet reinforced concrete piling for seawall running from 6 to 30 feet in length.

Plans of the reinforced concrete piling are now on file in the City Engineer's office.

A certified check in the amount of five (5) per cent to accompany bid.

The City Council reserves the right to consider proposals for ten (10) days after their receipt before awarding any contract and to consider the two items separately or as a whole and to award said contract on that basis.

The City Council reserves the right to reject any or all bids.

W. E. PARRISH, Mayor.
A. M. WOLFE, City Clerk.
E. M. CLAWSON, City Engineer.

Bids close May 11, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building six sections of State Highway, as follows:

Frederick County, Cont. F-91—One section of State Highway from the Fingerboard Road toward Kempston for a distance of 1.0 mile. (Concrete.)

Carroll County, Cont. C1-57—One section of State Highway between Finksburg and Emory Church for a distance of 1.0 mile. (Concrete.)

Baltimore County, Cont. B-73—One section of State Highway from Fowlesburg to Emory Church for a distance of 1.38 miles. (Concrete.)

Queen Anne's County, Cont. Q-37—One section of State Highway between Winchester and Queenstown for a distance of 1.0 mile. (Concrete.)

Dorchester County, Cont. D-42—One section of State Highway from the State Road toward Secretary for a distance of 0.5 mile. (Concrete.)

St. Mary's County, Cont. Sm-35—One section of State Highway from Chaptico toward Maddox and from Chaptico toward Clements for a distance of 2.0 miles. (Gravel.)

Will be received by the State Roads Commission, at its offices, 601 Garrett Building,

PROPOSALS

ing, Baltimore, Maryland, until 12 M. on the 11th day of May, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 19th day of April, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close May 26, 1926.

Highway Construction

Sealed proposals will be received by the State Highway Department at its office, Dover, Delaware, until 2 o'clock P. M. May 26, 1926, and at that place and time publicly opened, for contracts involving the following approximate quantities:

CONTRACT CS51

DELMAR TOWARD COLUMBIA.

3.00 MILES

1-2 acres clearing.
1-2 acres grubbing.
8,000 cu. yds. excavation.
200 cu. yds. borrow.
4,050 cu. yds. cement concrete pavement.
OR 4,050 cu. yds. cement concrete pavement (slag aggregate).
10,800 lin. ft. longitudinal metal joint.
OR 10,800 lin. ft. non-metallic joint.
125 cu. yds. class "A" concrete.
5,500 lbs. reinforcement.
300 lin. ft. 15-in. corrugated metal pipe.
130 lin. ft. 15-in. R. C. pipe.
96 lin. ft. 18-in. R. C. pipe.
36 lin. ft. 24-in. R. C. pipe.
46 lin. ft. 30-in. R. C. pipe.
36 lin. ft. 36-in. R. C. pipe.
1,000 lin. ft. wood shoulder curb.
400 lbs. cast iron gratings.

CONTRACT CS52

SEAFORD CUT-OFF .85 MILE

2,000 cu. yds. excavation.
1,300 cu. yds. cement concrete pavement.

OR 1,300 cu. yds. cement concrete pavement (slag aggregate).
4,500 lin. ft. longitudinal metal joint.

OR 7,500 lin. ft. sq. yds. sand asphalt surface course.

80 lin. ft. 15-in. corrugated metal pipe.
80 lin. ft. 15-in. R. C. pipe.
300 lbs. cast iron gratings.

CONTRACT CN19D

SUMMIT BRIDGE APPROACHES.

.40 MILE

1,200 cu. yds. excavation.
700 cu. yds. cement concrete pavement.

2,150 lin. ft. longitudinal metal joint.
800 lin. ft. wood shoulder curb.

CONTRACT 65

KITT'S HAMMOCK ROAD. 3.00 MILES

5,500 cu. yds. excavation.

200 cu. yds. borrow.

4,400 tons slag base course, secondary pavement.

180 lin. ft. 15-in. corrugated metal pipe.

Performance of contract shall commence within ten (10) days after execution of the contract and be completed as specified.

Monthly payments will be made for 90 per cent of the construction completed each month.

Bidders must submit proposals upon forms provided by the Department.

Each proposal must be accompanied by a surety bond, certified check or money to the amount of at least ten (10) per centum of the total amount of the proposal.

The envelope containing the proposal must be marked "Proposal for the Construction of State Highway Contract No.".

The Contract will be awarded or rejected within twenty (20) days from the date of opening proposals.

The right is reserved to reject any or all bids.

Detailed plans may be seen and index plans and specifications may be obtained upon receipt of two dollars (\$2), which amount will not be refunded.

STATE HIGHWAY DEPARTMENT,
Dover, Delaware.

Bids close May 18, 1926.

Highway Construction

DEPARTMENT OF PUBLIC WORKS
STATE OF MARYLAND
STATE ROADS COMMISSION
NOTICE TO CONTRACTORS

Baltimore, Md.

SEALED PROPOSALS for building seven sections of State Highway, as follows:

Frederick County, Cont. F-92—One section of State Highway along the Ballenger Creek Road from Ballenger Creek toward Church Hill for a distance of 1.0 mile. (Concrete).

Baltimore County, Cont. B-76—One section of State highway between Hereford and Monkton for a distance of 1.0 mile. (Concrete).

Prince George's County, Cont. P-66—One section of State highway along the Robert Crain Highway between Priest Bridge and Upper Marlboro for a distance of 2.5 miles. (Concrete).

St. Mary's County, Cont. SM-22—One section of State highway between Harper's Corner and Hollywood and between New Market and Huntersville for a distance of 2.0 miles. (Gravel).

Harford County, Cont. H-48—One section of State highway along the Harford Road between Beckord and the Belair Road for a distance of 1.6 miles. (Macadam Resurfacing).

Harford County, Cont. H-38—One section of State highway between Belair and Emmorton for a distance of 0.91 mile. (Macadam Resurfacing).

Caroline County, Cont. Co-39—One section of State highway between Ridgeley and Bridgetown for a distance of 1.5 miles. (Concrete).

Will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. on the 18th day of May, 1926, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans, will be furnished by the Commission upon application and cash payment of \$1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred (\$500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond and comply with the Acts of the General Assembly of Maryland respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 28th day of April, 1926.

JOHN N. MACKALL, Chairman.

L. H. STEUART, Secretary.

Bids close May 20, 1926.

Paving

Postponement of Opening Bids: Previously Advertised to Be Opened May 13, 1926

Sealed proposals will be received by the Town Council of Fruitland Park at the Office of the Town Clerk, Fruitland Park, Lake County, Florida, un to 7:30 P. M., Eastern Standard Time, Thursday evening, May 20, 1926, for the following paving work:

Approximately 14,565 sq. yds. of brick paving on sand base, together with the necessary grading, storm sewers and other incidental work connected therewith.

Alternate bids will be taken on Finley method top on 5" rolled lime rock base.

Each bidder must make his bid on the blank form furnished by the Town Clerk and each bid shall be accompanied by a certified check for \$3000.00 as a guarantee that if the bidder is successful he will enter into contract with the Town.

Plans and specifications are on file with and may be examined at the office of the Town Clerk, Fruitland Park, Florida, and copies of the same may be secured from him on the payment of \$5.00, no refund.

The right is reserved to reject any or all bids in the interest of Fruitland Park or to waive any defect in bidding.

H. W. PALMER, Town Clerk,
Fruitland Park, Lake Co., Fla.
April 22, 1926.
GEO. H. RUHLING & CO.,
Consulting Engineers,
Orlando, Fla.

PROPOSALS

Manufacturers Record

Bids close May 11, 1926.

Sidewalk Paving

Monticello, Fla.

Sealed proposals on blank forms furnished by the Town and addressed to the "Mayor and Council, Monticello, Florida," will be received until 2 P. M. May 11, 1926, at Monticello, Florida, for furnishing all material, labor and equipment and doing the following work:

Approximately 18,000 Square Yards of Sidewalk Paving as specified.

Each bid must be accompanied by a certified check, made payable to the Mayor, for not less than two thousand dollars.

Plans and specifications can be seen at the office of the Town Clerk or the offices of the Engineers, and specifications can be obtained from the Engineers upon payment of two dollars.

The right is reserved to reject any or all bids.

G. B. GLOVER, Mayor.

O. A. SLOAN, Clerk.

H. S. JAUDON ENGINEERING CO.,

Engineers.

Elberton, Ga.; Eustis, Fla.

Bids close May 18, 1926.

Street Paving

Eufaula, Ala.

Sealed proposals on blank forms furnished by the City and addressed to the "Mayor and Council, Eufaula, Alabama," will be received until 2 P. M. May 18, 1926, at Eufaula, Ala., for furnishing all material, labor and equipment and doing the following work:

Approximately 67,000 square yards of street paving, with all necessary drainage, curbs, curb and gutter and appurtenances thereto as specified.

Each bid must be accompanied by a certified check, made payable to the Mayor, for not less than \$25,000.

Plans and specifications can be seen at the office of the City Clerk or the office of the engineers, and specifications can be obtained from the engineers upon payment of \$2.

Full set of plans will be furnished by the engineers upon payment of \$10 to cover cost of printing and handling.

The right is reserved to reject any or all bids.

H. H. CONNOR, Mayor.

T. C. DOUGHTIE, Clerk.

H. S. JAUDON ENGINEERING CO.,

Engineers.

Elberton, Georgia.

Bids close May 27, 1926.

Water Supply and Sewerage Improvements

York, S. C.

Sealed proposals will be received by the Mayor and Board of Commissioners at York, South Carolina, until 11 A. M. on the 27th day of May, 1926, at the City Hall at which time all proposals will be publicly opened and read, for furnishing materials, labor, tools and equipment to complete such contracts as may be entered into for the construction of Water Supply and Sewerage Improvements, consisting of the following:

1 Million Gallon Water Purification Plant complete.

1 Earth Dam.

1 150,000 Gallon Steel Tank on 125-foot Tower.

1 25,000 Gallon Steel Tank on 35-foot Tower.

19,000 Lineal Feet 6, 8 and 10-inch Cast-Iron Pipe in place, complete.

12,000 Lineal Feet 8-inch V. C. or Concrete Sewer Pipe complete in place.

1 Sewage Pump Station complete.

And necessary appurtenances.

Plans and specifications will be on file at the office of the City Clerk, York, South Carolina, and at the office of the Engineers, and will be mailed upon application accompanied by a check for \$10, which will be returned to bona fide bidders.

Each bid must be accompanied by a certified check to the amount of 5% of the amount bid and not less than \$250, payable to the Treasurer of York, South Carolina, without recourse.

All bids must be placed in a sealed envelope and endorsed on the outside "PROPOSAL FOR WATER SUPPLY AND SEWERAGE IMPROVEMENTS." The city prefers to let the entire work in one contract, but reserves the right to waive technicalities and let the work in parts to separate bidders, or let such parts of the work as is considered

to the best interest of the city and reserves the right to reject any or all bids.

Contractors are cautioned to examine the plans and specifications thoroughly, form of contract, bond and conditions under which the work will be done before bidding.

E. A. HALL, Mayor.

J. E. LOWRY, Chairman.

J. F. FAULKNER, Clerk.

THE CAROLINA ENGINEERING CO.,

Engineers, 917-919 Johnston Building,

Charlotte, North Carolina.

G. H. BISHOP, Consulting Engineer.

Bids close May 18, 1926.

Sewerage-System Improvements

Woodstock, Va.

Sealed proposals will be received by the Town Council of the Town of Woodstock, Virginia, at the office of the Recorder until 11 A. M. on the 18th day of May, 1926, for the following sewerage improvements:

22,100	Lineal feet	8-inch V. C. Pipe.
1,600	Lineal feet	10-inch V. C. Pipe.
525	Lineal feet	12-inch V. C. Pipe.
8,300	Lineal feet	15-inch V. C. Pipe.
120	Lineal feet	8-inch C. I. Pipe.
40	Lineal feet	15-inch C. I. Pipe.
101	Manholes	0-6 feet deep.
9	Manholes	6-8 feet deep.
1	Manhole	8-10 feet deep.

All bids must be upon blank forms provided in the proposal and contract forms and marked "PROPOSAL FOR SEWERAGE SYSTEM IMPROVEMENTS."

Plans and specifications will be on file at the office of the Town Recorder and at the office of the Engineers, and will be mailed upon application accompanied by a check for \$10, which will be returned to bona fide bidders. Address all requests for plans and specifications and other information to The Carolina Engineering Company.

Each bid must be accompanied by a certified check for not less than 5% of the amount bid. The right is reserved to reject any or all bids.

HERBERT TROTTER, Mayor.

HARRISON P. MAGRUDER,

Recorder.

THE CAROLINA ENGINEERING CO.,

Engineers, 917-919 Johnston Building,

Charlotte, North Carolina.

G. H. BISHOP, Consulting Engineer.

Bids close May 20, 1926.

Sanitary Sewers

Murfreesboro, Tenn.

Sealed bids for the construction of Sanitary Sewers at Murfreesboro, Tennessee, will be received by the Mayor and City Council at the office of the City Manager until 2 P. M. May 20, 1926, at which time and place they will be publicly opened and read.

The work comprises the construction of a complete sanitary sewer system, including house connections, manholes and appurtenances. The approximate quantities of principal items are as follows:

76,260	lin. ft.	8-in. sewers.
4,470	lin. ft.	10-in. sewers.
5,970	lin. ft.	12-in. sewers.
3,260	lin. ft.	15-in. sewers.
5,240	lin. ft.	18-in. sewers.
9,750	lin. ft.	21-in. sewers.
19,000	lin. ft.	6-in. house branches.
314	Manholes and Flush Tanks.	
10,100	cu. yds.	rock Excavation.

Concrete Disposal Plant.

Plans and specifications may be examined at the office of the City Manager in Murfreesboro or at the office of the Engineer, or a copy may be obtained from the Engineer upon receipt of a deposit of fifteen dollars, of which amount ten dollars will be refunded when the plans and specifications are returned in good condition.

The right is reserved to reject any or all bids and to waive informalities.

Each bid must be accompanied by a certified check, drawn on a responsible bank or trust company, and made payable to the City of Murfreesboro, for a sum not less than 5% of the bid; or a bidder's bond for the same amount by a surety company authorized to do business in the State of Tennessee. The successful bidder will be required to furnish performance bond in the sum of 50% of the contract price. The Contractor will be paid in cash monthly on the basis of 90% of the value of work done and materials furnished.

If further information is desired, address the Engineer.

R. E. LOWE, City Manager.

B. H. KLYCE, Engineer,

506 Fourth & First National Bank Bldg.,

Nashville, Tenn.

Bids close May 18, 1926.

Water-Works and Paving

Hagerstown, Md.

SEALED BIDS, in duplicate, will be received by the Mayor and Council of Hagerstown, Maryland, through the Board of Water Commissioners, at their office in City Hall until 10 o'clock A. M., Eastern Standard Time, Tuesday, May 18, 1926, for Contract No. 4 for construction of Pumping Station, Filtration Plant, Reservoirs, Embankment, Pipe Lines, Paving, etc.

The principal items are approximately as follows:

Excavation, 25,000 cu. yds.
Rolled Embankment, 34,000 cu. yds.
Concrete, 10,000 cu. yds.
Reinforcement, 1,150,000 pounds.
Structural Steel, 370 tons.
Brick Work, 700,000 bricks.
Cast Iron Pipe and Valve Setting, 500 tons.
Sewer, 6 in. to 30 in. and Manholes, 2800 lineal feet.

Specifications and plans can be obtained at the office of the Board by prospective bidders. A cash deposit of \$50 will be required for sets of plans and specifications, which will be refunded upon return in good condition of the sets furnished.

A certified check in the sum of \$10,000 will be required with each bid.

Bids will be publicly opened and read at the time above given.

The Board reserves the right to reject any or all bids.

WILLIAM P. LANE, President, Board of Water Commissioners.

ALBERT HEARD, Secretary, Board of Water Commissioners.

Bids close May 21, 1926.

Sewer System

LaGrange, N. C.

Sealed proposals will be received by the Town of LaGrange, North Carolina, for furnishing labor, materials and equipment for sewer system in and for the Town of LaGrange until 8 P. M. May 21, 1926, at which time they will be opened and read publicly.

In accordance with Act passed by the North Carolina General Assembly and ratified March 10, 1925, it will be necessary for all contractors to show evidence that they are licensed to do business as such in the State of North Carolina.

The principal items of work are approximately as follows:

31,483	Feet	8-inch Sewer Pipe.
1,615	Feet	10-inch Sewer Pipe.
4,420	Feet	12-inch Sewer Pipe.
60	Manholes.	
23	Automatic Flush Tanks.	
46	10x6 Wyes.	
737	8x6 Wyes.	
Septic Tank.		
Sludge Bed.		
Accessories.		

Each bid must be accompanied by a certified check on a bank satisfactory to the Town Officials, or a bidder's bond acceptable to the Town Officials for five (5%) per cent of the amount of construction bid, drawn to the order of the Town of LaGrange, North Carolina, which will be forfeited to the Town in the event the Town accepts bid and bidder fails to execute contract and surety bond within ten days after award. Checks or bonds of unsuccessful bidders will be returned to bidders.

All bids will be compared on the basis of the Engineers' estimate of the quantity of work to be done. Copies of specifications may be obtained from the Engineers or Town Clerk upon receipt of \$5 deposit, which will be returned to bona fide bidders.

Plans may be seen at the office of the Engineers, at the office of the Town Clerk or at the office of the Associated General Contractors, Charlotte, N. C., or a set will be furnished by the Engineers upon payment of \$10, which amount will NOT be returned.

The right is reserved to reject any or all bids or to award the contract to any one bidder or bidders in part or as a whole, as considered to the best interest of the Town.

TOWN OF LA GRANGE, NORTH CAROLINA.

By WOODWARD BARWICK, Mayor.

J. B. McCRARY ENGR. CORPORATION,

Engineers,

Atlanta, Georgia.

WANTED—DREDGING CONTRACTORS
to communicate with undersigned. Contemplated work Carolina Coast. Oil or Coal outfit for sand and shell.

HUGH MACRAE & CO.,
Wilmington, N. C.

Bids close May 25, 1926.

Storm Sewers, Sidewalks, Curb and Gutter

Plaquemine, La.

The Mayor and Board of Selectmen of the Town of Plaquemine, Louisiana, will receive bids at the Town Hall until 10 o'clock A. M. May 25, 1926, for material and labor necessary in the building of the Storm Sewers, Sidewalks and Curb and Gutter Improvements.

The contemplated improvements require approximately the following:

950 Feet of 6-inch Sewer Pipe.
1240 Feet of 8-inch Sewer Pipe.
3765 Feet of 12-inch Sewer Pipe.
2275 Feet of 15-inch Sewer Pipe.
770 Feet of 18-inch Sewer Pipe.
2535 Feet of 21-inch Sewer Pipe.
720 Feet of 24-inch Sewer Pipe.
280 Feet of 33-inch Sewer Pipe.
280 Feet of 36-inch Sewer Pipe.
2380 Feet of 42-inch Sewer Pipe.
360 Feet of 48-inch Sewer Pipe.
850 Feet of 60-inch Sewer Pipe.
830 Feet of 72-inch Sewer Pipe.

With branches, tees, etc.

Bids on Vitrified Clay, Vitrified Segment Block, Machine-made Concrete, Precast Concrete and Monolithic Concrete Pipe in adaptable sizes are requested.

Trenching, laying and back filling.

Manholes and Catch Basins.

2380 Square Yards of Concrete Sidewalks.
10,000 Lineal Feet of Concrete Curb and Gutter.

Plans and specifications will be on file at the office of the Town Clerk, Plaquemine, La., and at the office of the Engineers. All bids must be submitted on blanks for that purpose, furnished with the specifications.

Plans and specifications, with bid sheets, can be obtained from the ENGINEERS, SWANSON-McGRAW, INC., Balter Building, New Orleans, La., by depositing Twenty-five Dollars (\$25). Ten Dollars (\$10) of which will be refunded to bona fide bidders. Specifications, with bid sheets, can be obtained by depositing Twenty Dollars (\$20). Ten Dollars (\$10) of which will be refunded to bona fide bidders.

Each bid must be accompanied by a certified check (Bidder's Bond not acceptable) in amount of five per cent (5%) of the gross amount bid, but in no event shall check be in less amount than Fifty Dollars (\$50), as evidence of good faith.

The right is reserved to reject any or all bids, waive any or all formalities or accept any bid or bids which in the opinion of the Board appear to be to the best interest of the town.

FRITZ WILBERT, Mayor.

L. B. LEBLANC, Clerk.

SWANSON-McGRAW, INC.,
Consulting Engineers,
Balter Building, New Orleans, La.

Bids close May 25, 1926.

Brotherhood Building

Harrisburg, Pa.

Sealed proposals will be received by the Brotherhood's Relief and Compensation Fund at its principal office, 2123 North Sixth street, Harrisburg, Pennsylvania, until 2 o'clock P. M. of Tuesday, May 25, 1926, for the construction and erection of its "Home and Bank Building."

Proposals are requested for the general contract or the several units thereof, or both, and such proposals will be considered only upon the terms and specifications as outlined in writing by the architect, C. Harry Kain, Harrisburg, Pennsylvania.

All proposals shall be addressed to the "Brotherhood's Relief and Compensation Fund, 'Home and Bank Building' Proposal, 2123 North Sixth street, Harrisburg, Pennsylvania."

The right is reserved to reject any or all bids, or both, or any part or unit thereof.

BROTHERHOOD'S RELIEF AND COMPENSATION FUND,

LUTHER G. SMITH,
International President.

D. W. B. MURPHY,
International Secretary-Treasurer.

Bids close May 20, 1926.

250,000-Gallon Tank and Tower

Edenton, N. C.

Sealed proposals will be received by the Mayor and Board of Aldermen of the City of Edenton, N. C., until 8 o'clock P. M. Thursday, May 20, 1926, at the City Hall, Edenton, N. C., for the construction and erection of a 250,000-gallon tank and steel tower, 100 ft. to overflow line, and alternate 125 ft. to overflow line.

Proposals must be marked "Proposals for Water Tank and Tower for the City of Edenton, N. C." Each bid must be accompanied by a certified check for five (5%) per cent of the amount of the bid as evidence of good faith.

Further information can be obtained by writing to R. E. Learv, Clerk.

The City reserves the right to reject any or all bids or to award the contract which appears to be for the best interest of the City.

J. L. WIGGINS, Mayor.

J. A. WOODARD, Chairman, Electric and Water Department.
R. E. LEARY, City Clerk.

Bids close May 25, 1926.

Carving on Stone Mountain

Atlanta, Ga.

Stone Mountain Confederate Monument Association of Atlanta, Georgia, invites sealed bids to be submitted on or before 12 o'clock noon Tuesday, May 25, 1926, for the carving and completing of the three equestrian figures of Jefferson Davis, Robert E. Lee, Stonewall Jackson and a color bearer, in accordance with the Master Model of said Association in the studio of the Association at Stone Mountain, Georgia, and in the studio of Augustus Lukeman, Sculptor, 454 W. 41st Street, New York City.

Specifications and detailed information will be furnished upon request by W. L. Peel, 1001 Citizens & Southern Bank Building, Atlanta, Georgia, or by the Sculptor, Augustus Lukeman, 454 W. 41st Street, New York. Each bidder will be required to accompany his bid with a certified check in the amount of \$5000, payable to the Association. Checks of unsuccessful bidders will be returned. The Association reserves the right to accept or reject any or all bids.

STONE MOUNTAIN CONFEDERATE MONUMENTAL ASSOCIATION.
By HOLLINS N. RANDOLPH, President.

ARNOLD & ARNOLD,
General Counsel.

Bids close May 10, 1926.

Turbo Generator Set, Etc.

Sealed proposals will be received by the City Manager and the City Council of Gainesville, Florida, at the office of the City Manager, until 6 P. M. May 10, 1926, for furnishing and erecting the following equipment:

1—1500 KW. Turbo Generator Set.
1—Low Level Jet Condenser and auxiliaries.
1—Back Outlet Gate Valve.
1—Expansion Joint.
1—Set of Spray Nozzles.
1—Switchboard.

Piping for Boiler Plant Addition.

Each proposal must be accompanied by a certified check in the sum of 5 per cent of the amount of the proposal. Check to be made payable to the City of Gainesville, Florida.

Specifications may be obtained from the office of Robert & Co., Inc., Bona-Allen Building, Atlanta, Georgia.

All bids to be made on the companies' standard forms, but are to be subject to the approval of the City of Gainesville, Florida, or their Engineers.

The specifications are issued and bids will be received with the understanding that the equipment is to be purchased with money to be obtained through the sale of bonds that have been authorized by a special session of the Florida State Legislature for this particular purpose. The bidders are requested to state in their proposals whether or not they are willing to accept the contracts subject to the sale of the bonds.

The City of Gainesville, Florida, reserves the right to reject any or all bids.

ROBERT & CO., INC.,
Bona-Allen Bldg., Atlanta, Ga.

G. H. CAIRNS, City Manager,
Gainesville, Fla.

Bids close May 17, 1926.

Steel Water Tank

Sealed proposals will be received by the Town Commissioners of the Town of Mt. Gillett, N. C., at noon on the 17th day of May, 1926, for furnishing all material and erecting a steel water tank of 100,000 gallons capacity on a 100-foot tower. Plans to accompany proposals.

R. E. HAMLETT,
Mayor of Mt. Gillett, N. C.
L. V. EDWARDS, Engineer,
Winston-Salem, N. C.

Bids close May 17, 1926.

Pumping-Station Improvements

Bids are invited by the Mayor and Town Council of the Town of Orange, Virginia, until noon of Tuesday, May 17, 1926, on furnishing all machinery, equipment, materials and labor for the construction of certain improvements at the municipal pumping station.

These improvements to consist of an electric-driven pumping unit, comprising a low-service and high-service pump, together with all foundations, piping, wiring and connections, a new suction main and various improvements to the building.

A certified check in the sum of 5 per cent of each bid will be required of each bidder as a guarantee that contract will be entered into and bond executed promptly after the award, and upon failure to do either it will become a forfeit to the Town of Orange.

A bidder to whom any award may be made will be required to execute an indemnity bond in a sum equal to one-third the face of his bid to safeguard the proper performance of the contract, said bond being written by some satisfactory guarantee company.

The Town of Orange reserves the right to let the contract by items or as a whole, as may be considered advisable, and also the right to reject any or all bids.

Detail plans and specifications may be examined at the office of the Mayor or had FROM HIM ALONE on receipt of a check for \$10. This check will be returned only to such parties as may have submitted a bona fide bid and also have returned the plans and specifications in good condition, both before the date set for closing bids.

DR. FRANK B. PERRY, Mayor,
Orange, Virginia.
THE AMBLER ENGINEERING CO.,
Richmond, Virginia.

Bids close June 3, 1926.

Two 50-Ton Incinerators

Mobile, Ala.

Sealed bids will be received by the City Commissioners of Mobile, Alabama, until 12 o'clock (noon) Thursday, June 3, 1926, for furnishing all labor, tools, appliances and materials necessary for the construction of two (2) Incinerator Plants and for constructing same, each with a capacity of not less than Fifty (50) tons per day of twelve hours. Each bid will be accompanied by a certified check in the sum of Two Thousand Dollars (\$2000), payable to the City of Mobile, as a guarantee that the bidder, if successful, will execute, within ten days from notice of award, a contract in accordance to the detailed plans and specifications accompanying the bid. The right is reserved to reject any or all bids.

The bidders will submit detailed plans and specifications with their proposals, and will bid a price that will cover the entire cost of constructing same without any extra cost whatever to the City of Mobile, and in accordance to the detailed plans and specifications submitted by them with their proposal.

The City of Mobile will furnish the sites for the incinerators and proposals will be received for the construction of the incinerators separately. After the bids are received the City Commissioners will consider same, and, after consideration and investigation into the merits of each bid, will award the contract to the bidder who in their opinion has submitted the most desirable proposal.

The contractor awarded the contract will furnish a Surety Company Bond to the amount of 25% of the amount bid to guarantee that the construction of the incinerators will be completed within the time specified in their proposal, and in accordance to plans and specifications submitted by them with their bid.

GEO. E. CRAWFORD, Mayor.
H. T. HARTWELL, Commissioner.

Bids close June 1, 1926.

Galveston County (Texas) Sea Wall

GALVESTON COUNTY SEA WALL ADJACENT TO GOVERNMENT WALL ON WEST END OF ISLAND, APPROXIMATELY 2800 FEET IN LENGTH

Bids in duplicate will be received by the undersigned until 10 A. M. June 1, 1926, for Wall as above designated, with the following approximate quantities of material:

Excavation	15,659 cu. yds.
Back Fill, "not a pay item"	8,323 cu. yds.
279 Round Piling, 35 feet long	9,765 lin. feet
232 Round Piling, 40 feet long	80,280 lin. feet
279 Round Piling, 45 feet long	12,555 lin. feet
1842 Reinforced Concrete Sheet Piling, 24 feet long	44,208 lin. feet
4-inch by 12-inch by 16-foot untreated pine Walling	11,200 ft. B. M.
5/8-inch by 16 1/2-inch Button Head Bolts with sockets	875
Cast washers for above bolts	875
1:3:6 concrete	16,265 cu. yds.
12 borings or soundings	60,200 pounds
1 1/2-inch by 10-foot deformed Reinforcing Bars	

A certified check in the sum of Ten Thousand Dollars (\$10,000), payable to the order of County Judge on a local bank, must accompany each bid, and will be promptly returned to unsuccessful bidders.

For bond, see Section 4 of Specifications. Copy of plans and specifications can be had on application to the undersigned. The County Commissioners Court reserves the right to accept or reject any and all bids, which must be addressed to the undersigned and marked on outside, "Galveston County Sea Wall Bids."

JOHN M. MURCH, County Auditor.

Galveston, Texas, April 16, 1926.

Bids close May 31, 1926.

Concrete Apron Wharf

Mobile, Ala.

Sealed proposals will be received by the Alabama State Docks Commission at their office, second floor State Office Building, Mobile, Alabama, until 10 A. M. May 31, 1926, and then publicly opened, for furnishing and constructing a concrete apron wharf for Pier One. About 12,000 cubic yards of concrete, 2200 concrete piles and other materials are included.

A deposit of Twenty-five Thousand Dollars (\$25,000) cash or certified check, or in lieu thereof of a bidder's bond for like amount with an approved company, is required with each proposal.

Specifications, proposal forms and plans are on file in the office of the Purchasing Agent, second floor State Office Building, Mobile, Alabama. Complete sets will be furnished to prospective bidders on deposit of \$50, which will be refunded to depositors who submit formal proposals, or return sets in good condition within thirty days of opening of bids.

A bond to the amount of 50% of the sum bid is required with notarial contract.

The right is reserved to reject any or all bids and to waive informalities.

WILLIAM L. SIBERT, Chairman.

ALABAMA STATE DOCKS COMMISSION.

CLASSIFIED OPPORTUNITIES

MINERAL AND TIMBER LANDS, WATER POWER, MISCELLANEOUS PROPERTIES

FOR SALE—Timber Land, Mill Properties, Cut-Over Timber Lands, Water Frontage for subdivision located Gulf Coast. H. H. WEFEL, JR., Mobile Alabama.

FOR SALE—415 acres timber and mineral land located in northwest Alabama. Price for quick sale, \$6 per acre. Box 126, Haleyville, Ala.

FOR SALE—A fine body of land, four miles from Demopolis, Alabama, lying directly on the Southern Railway and the Tombigbee River, now navigable all the year. Ideal place for cement factory, having an inexhaustible supply of fine limestone and clay. Alabama Power Company's line near property. Have very favorable mining and economical report from Engineer. Solicit investigation.

C. J. WISE, York, Alabama.

TIMBER AND TIMBER LAND FOR SALE

1900 Acres oak timber land, Yazoo County, Mississippi. HENRY J. CAMPBELL, 831 Perdido St., New Orleans, La.

LAND AND TIMBER.

Four Thousand acres Sea Island; large tract cut-over land, forty-one thousand acres hardwood timber, thirty million feet long-leaf pine.

J. W. BARNES,
Savannah, Georgia.

4,900,000 ACRES TIMBER LANDS (Panama) with 21,000 ft. per acre Mahogany and other hardwoods, \$1.05 per acre fee; good titles. A. J. NOBLETT, Green Cove Springs, Fla.

FOR SALE—Large tract virgin timber land 2 miles from railroad; timber alone worth price; \$35 per acre; good land. Big development proposition; adjoining tract now being developed. For details write W. B. WOLFFE, Homestead, Fla.

TIMBER OPERATION

55,000 Acres hardwood timber, N. C., on R. R., cruised to cut 904,000,000 ft.; two band saw mills with complete equipment, logging road, engines, cars, houses, etc.; in fee. Everything goes for \$2,500,000. Terms. W. T. Kime, Grandview, Mo.

RATES AND CONDITIONS

Rate 30 cents per line per insertion. Minimum space accepted, four lines. In estimating the cost allow seven words of ordinary length to a line. When the advertisement contains a number of long words proper allowance should be made. Terms: Invariably cash with order; check, postoffice or express order or stamps accepted. No display type used. Questionable or undesirable advertisements will not be accepted. The assistance of our readers in excluding undesirable advertisements is requested. We reserve the right to refuse any advertisement. No patent medicine, oil or mining stock advertisement accepted. Rate for special contracts covering space used as desired within one year as follows: 100 lines, 28c per line; 300 lines, 26c per line; 500 lines or more, 25c per line.

FARM, FRUIT AND TRUCK LANDS

ALABAMA

WONDERFUL OPPORTUNITIES, with unlimited possibilities, for investment on the Gulf Coast at Mobile. The land that steals your heart away. We have factory sites, textile mill, central business property, farms, orange and pecan groves, timber tracts, cutover land, water-front property, homes and desirable building lots at very attractive prices and easy terms. Write us for information and literature. GULF COAST INVESTMENT COMPANY, INC., REALTORS, 32-34 N. Royal St., Battle House Bldg., Mobile, Ala.

FLORIDA

FOR SALE—70,000 acres good farming land, FLORIDA, on rail and hard road, \$12 per acre; no swamps; high land. Address No. 6582, care of Manufacturers Record, Baltimore, Md.

CARR & CARR, INC.,
Realtors.

WEST PALM BEACH, PALM BEACH,
LAKE WORTH.
References—Any bank or trust company
in Palm Beach County.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

LEON COUNTY, FLORIDA.
White-Rivers Company,
Realtors.

Tallahassee, Capital of Florida. One good investment in Florida worth lifetime of labor.

WE ARE REALTORS.

Service and Reliability Our Slogan.
How can we help you in Florida?

GOODWIN & BAKER,
Fort Pierce, Florida.

SIX HUNDRED ACRES fine potato land; will yield thirty to fifty barrels per acre; potatoes sold this year \$16 to \$20 per barrel. F. O. B. Fort Pierce. Price per acre upon application.

J. G. COATS, Fort Pierce, Florida.

TWENTY ACRES AND PLENTY.

Free book tells truth about Florida land; monthly payments \$1 an acre. Orange groves, planted, cared for, 10 per cent above cost.

SYLVESTER E. WILSON,
Dept. X, Orlando, Fla.

ONE OF THREE IN THE WORLD.

Volusia County, Florida, is one of the three places in the world producing a larger variety of agricultural products than any other part of the world. We have many real bargains in acreage, city lots (Daytona Beach, New Smyrna and De Land), homes and farms in this county, and it will profit you to let us tell you about them. William H. Collier, Inc., Realtors and Investment Brokers, De Land, Florida.

FLORIDA INVESTMENTS MANATEE COUNTY.

The county that stands 7th in production of fruit and vegetables in the U. S. A solid foundation back of your investments—Farm Lands—Business Properties—Lots or Acreage for Subdivisions.

Full information on request—we can buy for you and we can resell for profit.

References: Bradenton Bank & Trust Co.

MANATEE LAND SALES CO.,
Bradenton, Fla.

St. Petersburg Office—560 First Ave. North.

FARM, FRUIT AND TRUCK LANDS

FLORIDA

FLORIDA—"The Land of Real Opportunity"; no state, income or inheritance taxes; the finest year-round climate in the world; heaviest crops marketed in the winter months, bringing highest prices in the frozen Northern markets. We have an investment, a home, grove or farm for you. Write today for Free Booklet, "The Largest Orange Tree in the World," and new list. Tampa-West Coast Realty Co. (Inc.), Opp. Postoffice, "Since before the War," Tampa, Fla.

ATTENTION.

OWNERS OF LAND IN FLORIDA.

If you own large tracts of land in Florida and are willing to sell at a reasonable price, give us a full legal description of same and price desired and we can sell it for you. Titles to the property must be clear.

We are in constant touch with buyers of big property, but must have exclusive listings only.

Our reference is The Miami Bank & Trust Company.
FLORIDA LAND SALES CORPORATION,
524 SEYBOLD BUILDING,
MIAMI, FLA.

"WE KNOW FLORIDA."

NORTH CAROLINA

5000 ACRES.

with frontage on a main highway between two live cities in Western North Carolina. Elevation up to 2500 feet, commanding beautiful views. Several clear mountain streams on the property, beautiful gorge and waterfalls of 75 to 100 feet.

Very picturesque property for hunting club or private estates for other development.

\$20.00 per acre if quick.
F. C. ABBOTT & COMPANY,
CHARLOTTE, N. C.

SOUTH CAROLINA

WHERE THE WISE INVESTOR IS BUYING.

Fertile Fruit, Truck, Grain, Dairy, Poultry and Stock Farms in the Southeast Coastal Section, where soil is as fertile as the Valley of the Nile. All kinds of Flowers, Fruit, Vegetables, Grapes, Nuts and Berries grow to perfection in this section. Average yield of Irish potatoes from 60 to 145 barrels of two and a half bushels each to the acre. Four crops are grown annually. Farming goes on the year round. Good, healthy, ideal climate, mild winters and cool sea breezes in the summer. Everything for your prosperity and enjoyment. Fine Beaches, Beautiful Drives, Golf, Boating, Fishing and Hunting. We can supply you with any size farm from five acres to two thousand acres in the highest state of cultivation and with everything to commence farming. Prices are reasonable and terms are easy. Just a small cash payment and from three to five years to pay the balance. Live and invest where summer spends the winter and where your investment and efforts are certain of large returns.

MARTIN, INC.,
Realtors.
60 Broad Street, Charleston, S. C.

TEXAS

E. B. WITMER, Realtor,
First National Bank Building,
Mercedes, Texas.
City Property, Farms, Citrus Groves.
Large acreage irrigated and unirrigated.

SUB-DIVISION PROPERTY

SUBDIVIDERS.

West Charleston, across the New Million-Dollar Ashley River Bridge, is in the making. Some of the developments have already sold out. Don't wait on things to start or come back. Opportunity bids you come to this section, where lots are selling fast. Confer with us for choice acreage for subdivisions in West Charleston. Only a few beautiful tracts left in close proximity to the Golf Course, Country Club and Beaches. Prices are reasonable and terms are easy. Just a small cash payment and release clause for the balance.

MARTIN, INC.,
Realtors.

60 Broad Street, Charleston, S. C.

BUSINESS OPPORTUNITIES

GOLD—Nine patented gold-mining claims for sale, or money wanted to reopen. Large producers in the 80s. Working now under lease. For particulars write
FRANK G. CLINE, Agent,
Box 176, Lordsbury, N. M.

LOUIS B. BOUCHELLE, JR.
Lands at New Smyrna, Florida.
BUSINESS PROPERTY that will pay a profitable income upon the principal invested in town that is not dependent upon the tourist rush.

THE OWNER of a large deposit of diatomaceous earth (kieselguhr), located in Nevada, desires to communicate with large users of this class of material or with anyone who might consider the purchase of the deposit or enter into an agreement for the development of the same on a fifty-five basis. The material is one of the purest and whitest varieties known. Samples and photographs sent on request. Address Dr. C. A. Jacobson, Morgantown, W. Va.

DEVELOPED BUSINESS PROPERTY: vacant business property ALONGSIDE that already improved: Lake and River front lots for homes are our specialties. These properties are always good and in demand.

R-E-M-B-E-R
Florida is daily growing smaller and each week's passing makes for higher values. Get your piece now.

CITY REALTY COMPANY,
Jno. F. Pearson, Prop.,
7 Ball Building, Sanford, Fla.

PATENTS FOR SALE

FOR SALE—"Patent" on a Turbine Engine, steam or compressed air. Make your own electric light and power plant. Engineers wanted to figure on contract work. P. J. MAHER, 157 East 18th St., New York, N. Y.

INDUSTRIES WANTED

FOR SUCCESSFUL MANUFACTURING locate in North Carolina. Best native-born labor, hard-surface roads and good transportation facilities, hydro-electric power, pure water. Good building space in fireproof buildings for lease for light manufacturing at reasonable rates. Write Chamber of Commerce or Box C, Leaksville, N. C.

IF INDUSTRIALLY INTERESTED IN FLORIDA.

Remember, we are engineers. We will render our experience available at your service. Will assist in development of your manufacture or organization. We will extend your manufacture into this ever-growing field of opportunities, will submit survey of the territory most suitable to your problems. General mechanically and chemically allied industries are invited to select our service and interest. We also solicit investment inquiries.

BAJDA, JAMERSON & GILBERT, INC.,
311 Stovall-Nelson Bldg., Tampa, Fla.

INDUSTRIAL PLANTS

FOR RENT FOR ANY USE
Plant of Virginia Shipbuilding Corporation on Potomac River at Alexandria, Va.
JOSEPH L. CRUPPER,
Receiver.

ELYRIA, OHIO—Modern new plant, 25 acres, main building monitor type, brick and steel, wood block floor, 82½x162; B. & O. siding in building, electric crane, power house 50x51; boilers, engine, generators and power wiring installed; frame office building 16x48. W. S. POLE, 14 W. Eighth St., Erie, Pa.

BUILDING FOR SALE

FOR SALE—Three-story, Mill-Constructed Building, 145x200, located in Atlanta, on Southern Railway, with platform track space for nine cars, equipped with elevator and sprinkler system.

MANGET BROS. CO., Newnan, Ga.

FLOOR SPACE FOR RENT

BAY STREET, SAVANNAH, GA.
20,000 sq. ft. space, suitable for loft, office and light manufacturing. Central location, railroad and steamboat facilities. Low rent. Address A. W. SMITH, 1204 Wynne-Claughton Building, Atlanta, Ga.

FACTORY SITES

WATER POWER and FACTORY SITE For Sale—About 300 horsepower, large brick building, adjoins railroad yards. Price \$12,000. W. W. WILLS, Palmyra, Va.

FACTORY SITE FREE—In Cliftondale Park, a suburb of Clifton Forge, Va. On main line C. & O. Railway; large stream through property, within fifty yards high-power electric line; low current rates. Good labor conditions; healthful climate; exempt from city taxes. From one to five acres absolutely free to anyone who will locate an industry on the property. L. W. Farrier & Co., Inc., Clifton Forge, Va.

RICHMOND, VA.—Fine climate for all-year-round operations. Labor plentiful and free from Bolshevism. Local transportation generous and efficient. Transportation for distribution, 5 trunk-line railroads covering all directions and steamers to New York, with New England connections. We can supply warehouses and factories or sites for the same, with or without trackage. Financial aid for sound developments. RICHMOND TRUST CO., Real Estate Department.

PATENT ATTORNEYS

PATENTS—Booklet free. Highest references. Best results. Promptness assured. Watson E. Coleman, Patent Lawyer, 844 G St. N. W., Washington, D. C.

PATENTS—TRADEMARKS—COPYRIGHTS Write for our free Guide Books and "RECORD OF INVENTION BLANK" before disclosing inventions. Send model or sketch and description of your invention for our Inspection and Instructions, free. Terms reasonable. Highest references. VICTOR J. EVANS & CO., 712 Ninth, Washington, D. C.

INVENTORS—Send sketch or model of your invention for opinion concerning patentable nature and exact cost of applying for Patent. Book, "How to Obtain a Patent," sent free. Gives information on patent procedure and tells what every inventor should know. Established 25 years. Chandee & Chandee, 412 Seventh St. N. W., Washington, D. C.

MANUFACTURERS AGENTS WANTED

CALLING ON ARCHITECTS and Contractors to secure sales on newly-developed, high-grade commercial Kalamein Door, sold at prices on which large volume can be developed. No. 6433, care Manufacturers Record.

TILE IMPORTERS require active representatives in Southern and Western territories. Men calling on building trades and architects preferred. Commission basis. Suite No. 604, 15 E. 40th St., N. Y. City.

CALLING ON STOVE MANUFACTURERS and users of Stampings or Pressed Metal Parts in Southeastern states. Thorough acquaintance with trade required. Address No. 6378, care Manufacturers Record, Baltimore, Md.

AGENCIES WANTED

MANUFACTURER'S AGENT—Established Cleveland 25 years, selling through architects and contractors, desires manufacturer's agency. ATHEY FOOTE COMPANY, Builders' Exchange, Cleveland, Ohio.

SITUATIONS WANTED

BUILDING CONSTRUCTION SUPERINTENDENT with years of experience covering a wide range of work is seeking a connection that will keep an active mind and body busy. Address C. W. H., 112 S. Moody, Tampa, Fla.

SITUATIONS WANTED

POSITION WANTED—Experienced and industrious paving superintendent seeking permanent location in southern state. Last five years specializing in asphalt. Thirty-seven, married, college education, perfect health. Highest references. Available immediately. Address No. 6580, care Manufacturers Record, Baltimore, Md.

SUPERINTENDENT. 20 years' practical experience in construction and operation of rock crushers, washers and pulverizers. Competent pit and quarry operation; experienced with all types mill machines and power equipment; efficient handling of operating crew. Available now; A-1 references. Address No. 6581, Manufacturers Record.

HIGH-CALIBER EXECUTIVE WANTS CHANGE—38 years of age, college education, department store executive for 12 years. At present superintendent and publicity director of department store doing million-dollar business. Close confinement only reason for wanting a change. Capable of training, developing and directing sales force. Best of references as to character, ability and integrity. Address N. E., 963 Broadway, Beaumont, Texas.

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MEN WANTED

DESIGNER WANTED—One with experience in developing Coal Mining Machinery preferred. State age, education, experience, salary expected, etc., in first letter. Address Box 532, Covington, Virginia.

REPRESENTATIVE WANTED—We still have available some desirable territory in the South Atlantic states. If you are a graduate engineer, specializing in the heating and ventilating field and are established in that district, we would like to hear from you. This is a desirable opportunity. Write to Illinois Engineering Company, 21st and Racine Ave., Chicago, Ill.

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103 Downtown Building, Buffalo, New York.

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FOREMAN WANTED. Must be practical and experienced in construction of cast-iron pipe lines of 48-in. and 60-in. diameter. Location of work, Atlanta, Ga. References required. Address Joseph R. Cothran, Candler Bldg., Atlanta, Ga.

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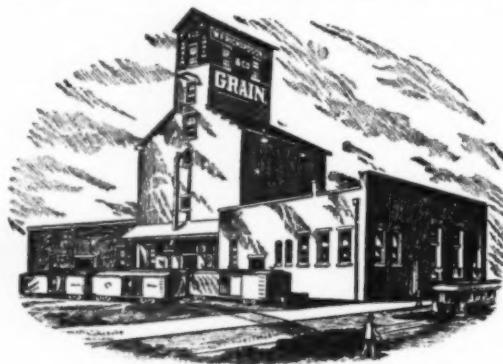
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Complete Flooring Plant
ELIZABETHTON, TENNESSEE

In obedience to orders of the United States District Court, Greeneville, Tennessee, as Special Commissioner, I will on Thursday, May 20, 1926, offer for sale, on the premises, in Elizabethton, and sell to the highest bidder, the Boone Fork Manufacturing Company's valuable lots and complete flooring plant, in said town. The large Bemberg Rayon plant is being built near this property.

Information as to real estate, machinery, and condition and size of plant, etc., will be furnished upon request of the undersigned, or by Lee F. Miller, attorney, Johnson City, Tenn.

Rogersville, Tennessee
April 15, 1926

HUGH G. KYLE,
Special Commissioner

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